TL-2

| vol. | pages | plates | date |
|---|---|---|---|
| 1 | [i]-xii, [1]-68 | *1-44* engr. t.p. | Aug 1795 p. xii: 14 Mar 1795 |
| 2 | [i]-xvi, [1]-72 | *45-92* | Jun 1797 p. vi: 14 Dec 1796 |
| 3 | [i]-xiv, [1]-80 | *93-138* | Aug 1799 p. iv: 8 Feb 1799 |
| 4 | [i*], [i]-clxxx, [i], [1]-80, [38, ind.], [1, corr.] | *139-182* | Dec 1820 |

The above analysis is based on a copy with hand coloured plates in the Stevenson library. Copies vary in binding. Other *copies*: B, BR, NY. – Data based on documentation BH.
*Vol. 1*, engraved t.p., as above
*Vol. 2*, printed t.p. "... mit 48 ..."
*Vol. 3*, printed t.p. "... mit 46 ..."
*Vol. 4*, has three t.p.'s:
*a*: *printed*. "Jacob ... Willdenow. IV Theil, Anhänge und Nachträge. Mit 44 illuminierten Kupfern. Fortgesetzt und mit einer Einleitung und einer erklärenden Übersicht sämmtlicher Tafeln versehen von Dr. Ch. G. Nees von Esenbeck und Dr. Th. Fr. Ludw. Nees von Esenbeck. Berlin Bey G. Reimer 1820."
*b*: *printed*, new t.p. for entire work, issued 1820, bound in various places: "Beschreibung der um Halifax wachsende Pilze, enthaltend 241 Pilzarten in 900 Figuren auf 182 Kupfertafeln, alle von dem Verfasser ... gegründet von James Bolton ... Aus dem Englischen mit Anmerkungen von Carl Ludwig Willdenow. Fortgesetzt ... von ... Esenbeck. Berlin ... 1820."
*c*: *engraved*, "Historia fungorum circa Halifax sponte nascentium tomi iv, A. Agaricus ... L. Mucor."
*Ref.*: BM 1: 192; LS 3294; NI 196; PR 962.
Barnhart, NAF 9(6): 430. 1916.

birth/death dates — Proposed form of citation

**Bolus, Harry** (1834-1911), British born South African banker and botanist. (*H. Bolus*).

HERBARIUM and TYPES: BOL. Other coll. e.g. BUL, GRA, NH, NU, PRE, SAM, STE and outside S. Africa. Exsiccatae: *Herbarium austro-africanum*, with Mac Owan, q v.
*Ref.*: IH 2: 84.—Reference in Index Herbariorum, a standard source
Tölken, Index herb. austro-afr. 58. 1971.

References in standard works

BIBLIOGRAPHY and BIOGRAPHY: AG 5(1): 394; Barnhart 1: 214; BB p. 37; BL 1: 28, 54; BM 1: 192-193, 6: 106; Bossert p. 44; CSP 9: 288, 12: 174, 13: 665; Kew 1: 291.

Journal articles or books about author and his works

Pearson, S. Afr. J. Science 8: 59-79. 1911 (portr., bibl., itineraries)
Anon., Bull. misc. Inf. Kew 1911: 275-277, 319-322.
Pearson, Rep. S. Afr. Ass. Adv. Sci. 8: 59-79. 1912 (bibl., portr.)
Stapf, Proc. Linn. Soc. London 1911/12: 42-44.
Harloth, Fl. S. Afr. 1: x. 1913 (portr.)
Verduyn de Boer, Botanists at the Cape. 1929 (portr.)
Nelmes and Cuthbertson, Bot. Mag. Dedic. 1827-1927: 270-272. 1932 (portr.
White, Stapeliae 1: 105. 1937.
Hutchinson, A botanist in Southern Africa 645. 1946.
Lütjeharms, The life and work of Harry Bolus, Cape Town. 1965 (mimeogr.)
Tyrrell-Glynn and Levyns, Flora africana 7-8. 1968.
Jessop, S. Afr. biogr. woordenb. 1: 92-95. 1968.

generic names based on surname 'Bolus'

EPONYMY: *Bolusafra* O. Kuntze (1891); *Bolusanthus* Harms (1906); *Bolusia* Bentham (1873); *Bolusiella* Schlechter (1918); *Neobolusia* Schlechter (1895).
*Note*: *Bolusanthemum* Schwantes (1928) is dedicated to his daughter-in-law Harriet Margaret Louisa Bolus née Kensit (q.v.)

Book number

**625.** *Icones orchidearum austro-africanarum extra-tropicarum*; or, figures with descriptions, of

Short-title

extra-tropical South African Orchids. London (William Wesley) 1893-1913, 3 vols. Oct. (*Icon. orchid. austro-afric.*) → Abbreviation of short-title for use in taxonomic publications

→ pagination of parts and their dates of publication

| vol. | part | *plates* | dates | pages |
|---|---|---|---|---|
| 1 | 1 | *1-50* | 15 Aug 1893 | [i]-vi, [1, note], l.p., [2 p. ind.] |
| | 2 | *51-100* | 20 Aug 1896 | [i-iii], l.p., [3 p. ind.], app. [2]p., preface and t.p. to vol. 1 [viii]p. |
| 2 | 1 | *1-100* | Apr-Jun 1911 | [i-vi], l.p. [3 p. ind.]; page iv: Apr 1911, Nat. Nov. Nov 1911, BR inscr. 15 Jun 1911. |
| 3 | 1 | *1-100* | 1913 | [i-v], l.p.; page v: 12 Feb 1913, Nat. Nov. Dec 1913. |

→ Special notes about this book

Libraries where copies seen by authors

The plates are accompanied by one or two pages letterpress. *Copies*: BR, HH. – 36 plates of vol. 3 were first published by H. Bolus in his "Orchids of the Cape Peninsula," Trans. South Afr. Philosoph. Soc. 5(1): 75-200. 1888. The 300 (partly) coloured plates are by H. Bolus and F. Bolus. F. Bolus edited the third volume; preface by H. M. L. Bolus. – Portrait as frontispiece to vol. 2.

*Ref.*: BM 1: 193, 6: 106; Kew 1: 291; NI 197. → References concerning this book
Tyrrell-Glynn and Levyns, Flora africana 7. 1968.

birth/death dates

**Bolus, Harriet Margaret Louisa** (née **Kensit**) (1877-1970), South African botanist, daughter-in-law of Harry Bolus. (*L. Bolus*). → Proposed citation form as author

HERBARIUM and TYPES: BOL, other material BM, GRA, NBG, PRE, SAM.
Ref.: IH 2: 82. → References to collections
Tölken, Index herb. austro-afr. 1971.

→ References in standard biographical and bibliographical works

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 1: 214; BL 1: 28, 54; BM 6: 106; Bossert p. 44; Kew 1: 291; Langman p. 391.

Articles in books, journals etc.

Anon., Flowering plants South Africa 23. 1943 (portr.)
Herre, Kakteen und andere Sukkulenten 12(1): 1-3. 1961 (portr.)
E.G.H.O., Forum botanicum 8: 68-69. 1970 (Died at Cape Town on 5 Apr 1970. Harry Bolus was her uncle and father-in-law).
Levyns and Jessop, J. S. Afr. Bot. 36(4): 319-330. 1970 (bibl.)
Herre, Kakt. Sukk. 21: 139, 170, also in The genera of the Mesembryanthemaceae 46-47. 1971 (portr.)
Glen, Aloe 13(3): 84, 87. 1975 (portr.)

→ Generic and journal names based on names of person

EPONYMY: *Bolusanthemum* Schwantes (1928). – *Note*: For other eponyms based on the name Bolus, cf. supra, sub Harry Bolus.

→ Book number short-title

**626.** *Notes on Mesembryanthemum and allied genera.* Cape Town 1928-1958. Oct. (*Notes Mesembryanthemum*). → Abbreviation of short-title
*Part I*: 1 Jul 1928 (reprinted from articles appearing in S. A. Garden & Country Life August-December, 1927), reprint 1928 (156 pp.)

*Part II*:

→ Data on place of publication, dates of whole or parts, etc.

| pages | dates | pages | dates | pages | dates |
|---|---|---|---|---|---|
| 1-16 | 9 Nov 1928 | 147-160 | 22 Nov 1929 | 309-336 | 29 Jan 1932 |
| 17-32 | 21 Dec 1928 | 161-176 | 20 Feb 1930 | 337-356 | 24 Jun 1932 |
| 33-48 | 24 Jan 1929 | 177-192 | 9 Mai 1930 | 357-376 | 6 Dec 1932 |
| 49-64 | 12 Apr 1929 | 193-208 | 15 Aug 1930 | 377-396 | 19 Mai 1933 |
| 65-80 | 3 Mai 1929 | 209-224 | 12 Nov 1930 | 397-416 | 16 Oct 1933 |
| 81-94 | 6 Jun 1929 | 225-244 | 12 Feb 1931 | 417-436 | 26 Jan 1934 |
| 95-110 | 4 Jul 1929 | 245-268 | 1 Mai 1931 | 437-452 | 23 Mai 1934 |
| 111-129 | 16 Aug 1929 | 269-292 | 3 Jul 1931 | 453-472 | 17 Aug 1934 |
| 131-146 | 4 Nov 1929 | 293-308 | 24 Sep 1931 | 473-508 | 11 Feb 1935 |

TAXONOMIC LITERATURE

Volume VII: W – Z

*Regnum vegetabile, a series of publications for the use of plant taxonomists published under the auspices of the International Association for Plant Taxonomy, edited by Frans A. Stafleu*

*Volume 116*

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1976
v.7
Bot.
Ref

Frans A. Stafleu and Richard S. Cowan

# Taxonomic literature

A selective guide to botanical publications and collections with dates, commentaries and types

## Volume VII: W-Z

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LIBRARIES

*Second edition*

Bohn, Scheltema & Holkema, Utrecht/Antwerpen
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# Epilogue

Having reached the end of our journey through the world of taxonomic literature, a journey which took fourteen years, I may be permitted to look back on that period of great activity and of collaboration with numerous enthusiastic collaborators. The last lines of the introduction to the first volume were: "One can write only a single book of this type and size in a life-time. With the help of our friends and colleagues we hope to bring this work to a successful conclusion".

When writing these lines in May 1976 I still planned to write a three volume work but had a sneaking suspicion, or hope, that the end product might number more than that. In the course of the compilation of the second volume it became clear that the support was such that I could extend the coverage if I had more help with the data collection and the organisation of the files. From the beginning Dick Cowan had assisted me with this work, especially with respect to our research in the United States libraries. In the beginning, however, he was not thinking of the rôle he ultimately played in the genesis of the book. Having behind him some ten years of administration he wanted most of all to return to his beloved "Caesalps" and thus take up again his taxonomic work on the neotropical Leguminosae. In the course of the setting up of the database of TL-2, however, he came to the conclusion that the enterprise might have such a value for plant taxonomy as a whole that he could perhaps give a major part of his time and effort in assisting to make this book as comprehensive as possible. As an active plant taxonomist he had felt the need for such a work more acutely than I.myself. He offered to become my collaborator for the collection of data outside Utrecht. He reached this conclusion just in time for me to ask him then to draw the obvious conclusion and to become my "junior author". The result is clear: he finished his task on 1 October 1984 when pratically all material was in hand and when I was coming close to the end of the writing of the basic manuscript. Without him the book would not have reached its present dimension and coverage and this is therefore the moment to thank him most profoundly for his dedication, input and friendship. For both of us this was a unique undertaking. Apart from the steady work, we enjoyed the contact with our colleagues and with the libraries and librarians, contacts which had very pleasant and stimulating social side-effects. For both of us the making of this book became an unforgettable experience.

At my homebase, the Institute of Systematic Botany of the University of Utrecht, I had the great privilege to find a collaborator of high standing and great dedication in Jan Leussink who organised the TL-2 files on the basis of the material generated in Utrecht as well as abroad. He was also in charge of the work done at Utrecht in scanning botanical journals for significant information and added know-how on the bibliography and dating of the periodical literature. He did this work in such a way that, in the course of the later years of the project, I could limit myself mainly to the writing of the manuscript. I deeply regret that my intention to ask him to join us as co-author starting with the third volume could not be realized

because of a serious deterioration of his health. Even under less fortunate conditions, however, Jan Leussink continued to assist us in a way which filled us with admiration and gratitude. His work on the name-indexes is of great importance for the users of TL-2. I am, therefore, in many ways, grateful to him for his dedication and input.

The third person who has taken a major share in the making of TL-2 is Tineke van Ingen. She processed my manuscript as copy-editor as well as through the transformation of the handwritten text into machine readable form from volume four onward, having seen the still traditionally produced third volume through the press. Her dedicated input and intelligent interpretation of my manuscript, done in a very quiet and unobtrusive manner, was impressive. Her rôle in the making of the book, also *her* book, was essential and all of us who were closely associated with this process are deeply grateful to her.

It is also appropriate to mention the goodwill, imagination and enterprising spirit which we encountered with our publishers, Bohn, Scheltema and Holkema. When I confronted them with the copy of the first volume they enthusiastically started with the production without asking questions. The book soon paid for itself and the extension to its ultimate size did therefore not encounter any objections from their side. On the contrary, they sought ways and means to produce the work in the most modern way. I gave an account of the development of the technology involved in the production in the preface to the fourth volume. With the completion of the last volume of text I thank the directors and staff for their understanding and goodwill and want to recall the rôle played by the man who, until 1986, was in first instance responsible for the technical execution, Mr. D.G. den Besten, production manager of Bohn, Scheltema and Holkema. My collaboration with him was always pleasant and efficient, a fact undoubtedly due to our common interest in the technological aspects of book production, certainly in a period of a complete revolution from "lead" to computerized photo-offset. Our collaboration was ideal. Mr. den Besten reached the age of retirement seven months before I did. I was glad to be asked to write about the important rôle he played in producting the I.A.P.T. books from *Linnaeus and the Linnaeans* via *Index nominum genericorum (*and others) to *Taxonomic literature (*TL-2) in the beautiful book presented to him on his retirement: "Achter de rug van het boek" (1986).

The numerous institutions which supported our work by making their collection available to us with great liberality are listed below. However, some additional words are in order on our home institutions as well as our "core-institutions".

The *Smithsonian Institution* at Washington made a fundamental contribution to our work in several ways, but first of all by enabling Dick Cowan to participate in the project. The liberal policy of the Institution with respect to international co-operative team-work is well known and has manifested itself in particular in the manifold activities of I.A.P.T. I need recall only the *Index nominum genericorum* project, the American secretariat and editorial office of *Taxon*, which, with the present book, illustrate this enlightened policy. Hospitality was provided for N.S.F.-financed personnel to work on

TL-2, and, after the retirement of Dick Cowan, Larry Skog was enabled to bring the Washington part of the work to completion. An important facility of the Smithsonian Institution was the free access to holdings of the various Smithsonian libraries as well as of the Library of Congress. These libraries, in combination with that of the United States Department of Agriculture at Beltsville, Md., made Washington an ideal base for the collection of data.

The *Institute of Systematic Botany* of the University of Utrecht, my home institution, housed the I.A.P.T. headquarters from 1950 through 1987. Many collaborators of the Institute participated in the work of TL-2 and here again the hospitality and support were eminent. I spoke in detail on this aspect of the I.A.P.T. activities on the occasion of my retirement on 2 October 1986 at the symposium at Zeist. I may therefore refer to the publication of this text, forthcoming in Taxon 1988, for a more detailed expression of my appreciation.

We had the indispensable assistance of organizations in the United States and Europe which we considered to be the "core-institutions" for our project. These institutions opened the shelves of their libraries and archives to us with great liberality. We could not only make use of their holdings but we were also provided by them with staff support. Before our arrival and during our stay copies of the requested books or files were located, photocopies were made of appropriate pages and all other necessary facilities were provided. Among our most precious recollections of the TL-2 effort were the moments of arrival in these libraries when we found long rows of books waiting for us in the requested order and provided with the relevant xerox copies sticking out, and, in our imagination, waving a welcome to us.

We started data collecting in March 1974 at the *New York Botanical Garden*. I became interested in the history and bibliography of plant taxonomy in 1954. In that year I started my collaboration with H.W. Rickett, NYBG's bibliographer. We embarked together on a much-needed bibliographical and nomenclatural revision of the chapters listing the *nomina genera conservanda et rejicienda* in the *International Code of Botanical Nomenclature*. Through Rickett I became acquainted with these fields which had been developed at the Garden from the beginning of the century: Rickett's predecessor J.H. Barnhart was the first botanical bibliographer who had an appointment as such at a botanical institution. In December 1958 I set foot on American soil for the first time and not more than an hour after passing customs at "Idlewild", I entered the Garden's library. Since then the Garden and its library have been my American home institution: no wonder we started in New York and we received, again, a hearty welcome. In this respect it will be understood that I am particularly pleased that the officers of I.A.P.T. have authorized the transfer of the TL-2 files to the New York Botanical Garden and that the Garden is willing to add these files to its already very rich botanical archives.

The second American core-institution was the *Missouri Botanical Garden* which, when learning of our decision to go ahead with the project, invited us spontaneously to make use of its library, manuscript and catalogue resources as frequently and thoroughly as possible with full support and

assistance. "Missouri" was the first library which was fully used by us: we went through their entire holdings between 1974 and 1979 and the abbreviation "MO" for the location of copies consulted by us appears with great regularity in our book.

The library of the *United States Department of Agriculture* at Beltsville, Md., was also a typical core-institution for our project. In addition to its rich holdings of books, the library has an exceptionally wide range of periodical literature. Here again the clearest indication of the value of these rich holdings is found in the high frequency with which we could cite "USDA".

The fourth core-library for TL-2 in the United States was that of the Harvard University Herbaria (HH) at Cambridge, Mass. This library system is especially rich in its holdings of the botanical literature of the Americas. These collections were brought together with great skill and perseverence from their diverse beginnings. Many rare books and pamphlets, not or practically not found elsewhere, were consulted by us in the combined Gray Herbarium, Farlow and Arnold Arboretum libraries.

The three core-institutions in Europe were the *National Botanical Gardens of Belgium* at Meise (BR), the *Conservatoire botanique de Genève* (G) and the *Botanisches Museum, Berlin-Dahlem* (B). Other libraries of importance for us in Europe were the *Staatsbibliothek Preussischer Kulturbesitz* in Berlin (W.), Pritzel's main basis, and the *Niedersächsische Universitätsbibliothek* in Göttingen.

My connection with the *Conservatoire de Botanique, Genève,* stems from 1946. Most of my publications owe something, and often very much, to this library with its rich holdings which are so well organised that they are a bibliographer's delight. Unsurpassed is the collection of bound volumes of smaller publications, pamphlets and reprints ("separates") that because of their eminent preservation contain many rarities. Another feature of this library is the excellent accessibility to the collections. The Geneva library was also used by Pritzel and several of the rarer publications sent by him were found by us just as was the case in the *Staatsbibliothek.*

The library of the *National Botanical Gardens* at Meise (formerly at Brussels) was especially important to us because of its excellent coverage of taxonomic literature in general and because of the special attention given to our work by one of its librarians, Mme Dumont. She found for us many items associated with the publications requested by us not listed in our requests. Brussels and Geneva were of special importance for the French language coverage, Brussels was also our main source for the literature of Dutch and Belgian origin.

The library of the *Botanisches Museum, Berlin-Dahlem,* almost entirely destroyed in the catastrophe of March 1943, has been reconstituted in a spectacular way. Many private libraries dealing especially with the North-West and Central European taxonomic literature were received with the result that the present holdings contitute again one of the great taxonomic libraries of the world.

We are profoundly grateful to the directors, librarians and staff of our core-libraries. Their participation in the TL-2 project constituted the backbone of our undertaking.

Institutional support of a different kind was received from the *National*

*Science Foundation* of the United States and the *Netherlands Organization for Pure Research* (Z.W.O.). Thanks to the N.S.F. grant our data gathering in the United States was secured during the later years of the project. The Z.W.O. grants, received from 1980 onward, enabled me to have my handwritten manuscript edited and translated into machine readible form.

I have refrained from mentioning the names of the many persons who helped us gather the data at home and abroad. Their names have been mentioned, with gratitude, in the prefaces to the previous volumes and are repeated below in a single alphabetic order. One category should still be mentioned here: the recipients of my "search lists". The last stage in the data collection was reached only after writing the first draft of the manuscript. This draft showed up the weak spots in the original data. All questions arising from this draft were combined in "search lists" which were sent to a number of colleagues who tried to find the relevant books and solve the problem with the help of their local library resources. Recipients of these lists were O. Almborn (Lund), J.R. Edmondson (Liverpool), P. Isoviita (Helsinki) with the co-operation of T. Ahti and T. Kopponen, R. Kiger (Pittsburgh), W. Lack (Berlin), Carla Lange (St. Louis), R. Long (New York), B. Peterson (Göteborg), D.P. Rodgers (Urbana, Ill.), R. Schmid (Berkeley, Cal.) and G. Wagenitz (Göttingen). The contributions by these botanists were often very substantial and of high quality. We owe a special dept of gratitude to them.

We discussed the *scope* and *coverage* of TL-2 in some detail in Taxon (28: 77-86. 1979). I can refer to this paper here and add only a few remarks. TL-2 grew towards its final shape in the course of its publication. As a result the coverage of the literature is more extensive in the later volumes than in the earlier ones. The first volume was written with the help of a data base which was still being developed. The TL-2 files contain, alphabetically by author, information from several hundred general sources in addition to photo-copies of the annotated title-pages of publications to be treated. The process of adding to this data base went on until the end of the project. This means that the entries in the last volumes rest upon the most complete information assembled by us.

A further reason why the "coverage" increases towards the end is that we realized during the process that this was a unique undertaking, not so likely to be continued or repeated in this form. As a consequence more authors and publications were treated than originally envisaged. This is illustrated by the fact that volume 1, containing letters A-G, if treated as, for instance, volume 6, would have occupied three full size volumes.

In a way this is a shortcoming of the project. Ideally the data-base should have been of equal size for each volume. This would have required a preparation of several years during which we could not use volume 1 as a convincing argument that this was a worthwhile project. If I had proposed a seven volume undertaking of the present size this would have been considered too ambitious and the necessary support would not have come forward. Full support, however, was engendered by the first volume.

More time than the 14 years now spent on this project was not available. The project filled the years before Dick Cowan's and my own retirement. TL-2 could not have been written after retirement. The philosophy

therefore was that if one cannot be a perfectionist it is better to be a pragmatist. We are reasonably satisfied with the end product even though the coverage is somewhat uneven. We trust, however, that TL-2 will be of use to many plant systematists, the group for which it was written in first instance, in accordance with the guiding principles of the International Association for Plant Taxonomy. Our sincerest thanks go therefore to all who helped in developing I.A.P.T. over a period of 37 years.

Utrecht, 25 December 1987 F.A. Stafleu

ACKNOWLEDGMENTS

We express our sincerest thanks to the following institutions and individuals for enabling us to write this book.

*Institutions*

De bibliotheek van de Koninklijke Nederlandse Akademie van Wetenschappen, *Amsterdam,* Nederland.

Hugo de Vries-laboratorium, *Amsterdam,* Nederland.

The Herbarium and the University Library of the University of Michigan, *Ann Arbor,* Mich., U.S.A.

The library of the Department of Agriculture, and the library of the National Fungus Collections, Agricultural Research Center, *Beltsville,* Maryland, U.S.A.

Herbarium and library of the University of California, Department of Botany, University of California, *Berkeley,* California, U.S.A.

Staatsbibliothek Preussischer Kulturbesitz, *Berlin,* Bundesrepublik Deutschland.

Das Botanische Museum und Herbarium, *Berlin-Dahlem,* Bundesrepublik Deutschland.

The New York Botanical Garden, *Bronx,* N.Y., U.S.A.

The University Library, The Botany School and the University Botanic Garden, *Cambridge,* England.

The libraries of the Gray Herbarium, the Arnold Arboretum and the Farlow Herbarium of Harvard University, *Cambridge,* Mass., U.S.A.

The Royal Botanic Garden, *Edinburgh,* Scotland.

Le Conservatoire botanique, *Genève,* Switzerland.

Botanical Museum, *Göteborg,* Sweden.

Systematisch-Geobotanisches Institut der Universität and the Niedersächsische Universitätsbibliothek, *Göttingen,* Bundesrepublik Deutschland.

De Koninklijke Bibliotheek, *'s-Gravenhage,* Nederland.

De Bibliotheek van Teyler's Stichting, *Haarlem,* Nederland.

Institut für allgemeine Botanik, *Hamburg,* Bundesrepublik Deutschland.

The Botanical Museum and the University Library, University of Helsinki, *Helsinki,* Finland.

The Royal Botanic Gardens, *Kew,* Richmond, Surrey, England.

The library of the University of Kansas, *Lawrence,* Kansas, U.S.A.

Het Rijksherbarium, *Leiden,* Nederland.

The library of the Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R., *Leningrad,* U.S.S.R.

Merseyside County Museums and Liverpool City Library, *Liverpool, U.K.*

*The Department of Botany and the General Library of the British Museum (Natural History), the British Museum (Bloomsbury) and the Linnean Society of London, London,* England.

Botanical Museum, *Lund,* Sweden.

Instituto botánico José Cavanilles, *Madrid,* Espagna.

Le jardin botanique national de Belgique (formerly Jardin botanique de l'État) Meise, near Bruxelles, Belgique.

Die Botanische Sammlung, *München,* Bundesrepublik Deutschland.

Tulane University Herbarium and University Library, *New Orleans,* Louisiana, U.S.A.

Le Laboratoire de Phanérogamie et la Bibliothéque centrale du Muséum d'Histoire naturelle, *Paris,* France.

Academy of natural sciences, *Philadelphia,* Pa., U.S.A.

The Hunt Institute of Botanical Documentation, Carnegie Mellon University, *Pittsburgh,* Pa., U.S.A.

The Botanical Department of the National Museum and the Institutum botanicum Universitatis Carolinae, *Praha,* C.S.R.

Library of the United States Geological Survey, *Reston,* Virginia, U.S.A.

Dudley Herbarium of Stanford University and of the California Academy of Sciences, *San Francisco,* Calif., U.S.A.

Naturhistoriska Riksmuseet and Svenska Vetenskaps-Akademien, *Stockholm,* Sverige.

Missouri Botanical Garden, *St. Louis,* Mo., U.S.A.

Botaniska Museet, *Uppsala,* Sverige.

Department of Botany, University of Illinois, *Urbana-Champaign,* Ill., U.S.A.

Het Instituut voor systematische plantkunde, de Universiteitsbibliotheek en het Biohistorisch Instituut van de Rijksuniversiteit, *Utrecht,* Nederland.

De Bibliotheek van de Landbouwhogeschool, *Wageningen,* Nederland.

The Smithsonian Institution, *Washington,* D.C., U.S.A.

Botanisches Institut der Universität, *Wien,* Österreich.

Naturhistorisches Museum, *Wien,* Österreich.

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# TL-2 Statistics

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*Summary of library data per volume*

| | 1 | 2 | 3 | 4 | 5 | 6 | total |
|---|---|---|---|---|---|---|---|
| Total authors in volume | 1293 | 1045 | 1038 | 1093 | 939 | 778 | 6186 |
| Total publications in volume | 2217 | 2275 | 2725 | 2949 | 3078 | 3370 | 16614 |
| Total numbers of copies consulted | 3761 | 5487 | 6602 | 7994 | 8995 | 8876 | 41715 |
| Average number publ./author | 1.71 | 2.18 | 2.63 | 2.70 | 3.28 | 4.33 | 2.68 |
| Id. number libraries cited per title | 1.86 | 2.45 | 2.47 | 2.77 | 2.98 | 2.98 | 2.67 |

*Total number of primary publications of books and pamphlets consulted in major libraries*

*The total number of libraries consulted was 101; the major libraries were (number of titles consulted given in parentheses): NY (5937), G (5813), MO (3128), USDA (2794), BR (2363), HH (2303), B (2081), U (1867), US (1851), M (1368), FH (1346), FI (1301), H (1118), MICH (912), PH (900), Stevenson (688), L (581), B-S (574), FAS (426), LD (277), HU (262), USGS (227), Teyler (157), NSUB (151), Almborn (138), WU (143), MO-Steere (136), LC (133), E (115), PCS (108), KNAW (105).*

*Number and percentages of authors by nationality*

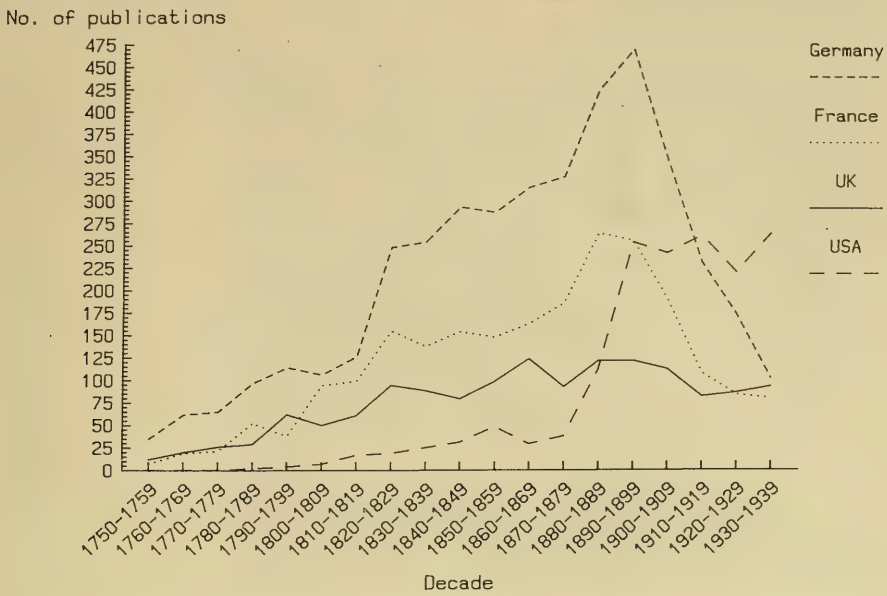
| Nationality | total | percentage | Nationality | total | percentage |
|---|---|---|---|---|---|
| Algeria | 1 | 0.02 | Japan | 46 | 0.74 |
| Alsace | 20 | 0.32 | Latvia | 10 | 0.16 |
| Argentina | 8 | 0.13 | Lithuania | 2 | 0.03 |
| Australia | 17 | 0.28 | Luxemburg | 5 | 0.08 |
| Austria | 208 | 3.37 | Malta | 2 | 0.03 |
| Belgium | 108 | 1.75 | Mauritius | 1 | 0.02 |
| Bohemia | 54 | 0-87 | Mexico | 13 | 0.21 |
| Bolivia | 1 | 0.02 | Moravia | 29 | 0.47 |
| Brazil | 20 | 0.32 | Netherlands | 179 | 2.90 |
| Bulgaria | 3 | 0.05 | New Zealand | 9 | 0.15 |
| Canada | 30 | 0.49 | Nicaragua | 1 | 0.02 |
| Catalonia | 5 | 0.08 | Nigeria | 1 | 0.02 |
| Ceylon | 1 | 0.02 | Norway | 48 | 0.78 |
| Chile | 6 | 0.10 | Pakistan | 1 | 0.02 |
| China | 15 | 0.24 | Paraguay | 1 | 0.02 |
| Colombia | 3 | 0.05 | Peru | 2 | 0.03 |
| Costa Rica | 0 | 0.00 | Philippines | 8 | 0.13 |
| Croatia | 4 | 0.06 | Poland | 27 | 0.44 |
| Cuba | 4 | 0.06 | Portugal | 20 | 0.32 |
| Czechoslovakia | 35 | 0.57 | Puerto Rico | 3 | 0.05 |
| Denmark | 93 | 1.50 | Romania | 21 | 0.34 |
| Dominican Republic | 2 | 0.03 | Russia | 98 | 1.59 |
| Ecuador | 0 | 0.00 | Scotland | 93 | 1.50 |
| Egypt | 1 | 0.02 | Serbia | 2 | 0.03 |
| Estonia | 16 | 0.26 | Slovakia | 3 | 0.05 |

| | | | | | |
|---|---|---|---|---|---|
| Finland | 59 | 0.95 | South Africa | 21 | 0.34 |
| France | 841 | 13.61 | Spain | 60 | 0.97 |
| Germany | 1541 | 24.93 | Sweden | 260 | 4.21 |
| Greece | 4 | 0.06 | Switzerland | 229 | 3.70 |
| Guadeloupe | 2 | 0.03 | Transylvania | 11 | 0.18 |
| Guatemala | 1 | 0.02 | Trinidad | 0 | 0.00 |
| Hungary | 59 | 0.95 | Turkey | 1 | 0.02 |
| Iceland | 5 | 0.08 | United Kingdom | 770 | 12.46 |
| India | 15 | 0.24 | United States | 660 | 10.68 |
| Ireland | 40 | 0.65 | Uruguay | 2 | 0.03 |
| Israel | 1 | 0.02 | Venezuela | 1 | 0.02 |
| Italy | 275 | 4.45 | West Indies | 1 | 0.02 |

*Publications by decade for the ten countries with more than 200 book-numbers*

| GER | FRA | UK | US | ITA | SWE | SWI | AUS | NET | BEL | DECADE |
|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 7 | 12 | 0 | 9 | 58 | 5 | 1 | 11 | 0 | 1750-1759 |
| 62 | 19 | 20 | 0 | 9 | 39 | 6 | 3 | 17 | 0 | 1760-1769 |
| 65 | 21 | 26 | 0 | 9 | 26 | 9 | 4 | 11 | 2 | 1770-1779 |
| 97 | 52 | 29 | 2 | 17 | 36 | 6 | 10 | 15 | 1 | 1780-1789 |
| 114 | 38 | 62 | 4 | 20 | 32 | 10 | 11 | 7 | 2 | 1790-1799 |
| 106 | 94 | 50 | 7 | 51 | 26 | 14 | 16 | 7 | 2 | 1800-1809 |
| 126 | 99 | 61 | 17 | 49 | 36 | 13 | 18 | 9 | 9 | 1810-1819 |
| 247 | 154 | 94 | 19 | 76 | 52 | 44 | 20 | 13 | 7 | 1820-1829 |
| 253 | 137 | 88 | 25 | 73 | 32 | 29 | 42 | 26 | 12 | 1830-1839 |
| 292 | 153 | 79 | 31 | 105 | 23 | 37 | 54 | 55 | 18 | 1840-1849 |
| 286 | 147 | 98 | 48 | 90 | 46 | 25 | 56 | 52 | 10 | 1850-1859 |
| 314 | 162 | 123 | 29 | 64 | 48 | 43 | 52 | 36 | 32 | 1860-1869 |
| 326 | 185 | 92 | 38 | 69 | 60 | 39 | 37 | 29 | 28 | 1870-1879 |
| 423 | 263 | 121 | 112 | 122 | 55 | 65 | 56 | 35 | 26 | 1880-1889 |
| 469 | 255 | 121 | 253 | 127 | 84 | 82 | 41 | 48 | 33 | 1890-1899 |
| 346 | 190 | 112 | 241 | 117 | 124 | 96 | 61 | 58 | 31 | 1900-1909 |
| 231 | 108 | 82 | 261 | 56 | 59 | 57 | 50 | 62 | 10 | 1910-1919 |
| 173 | 84 | 86 | 220 | 43 | 74 | 45 | 20 | 65 | 19 | 1920-1929 |
| 102 | 80 | 93 | 263 | 16 | 72 | 40 | 27 | 112 | 18 | 1930-1939 |
| 4067 | 2248 | 1449 | 1570 | 1122 | 982 | 665 | 579 | 668 | 270 | TOTAL |

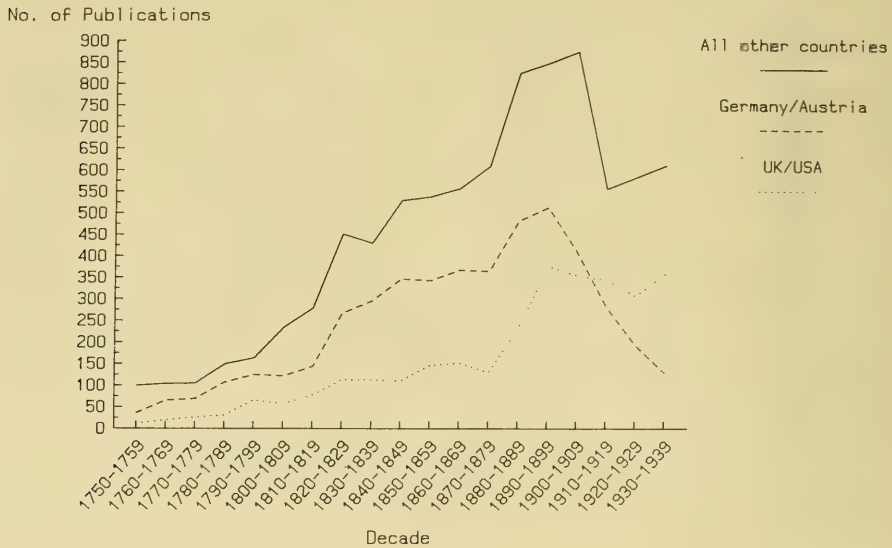
*Publications by decade for the four countries with 1500 or more publications.*




*Publications by decade comparing German and English language countries with the rest of the world.*

| Germany/Austria | UK/USA | All other countries | Decade |
|---|---|---|---|
| 36 | 12 | 100 | 1750-1759 |
| 65 | 20 | 104 | 1760-1769 |
| 69 | 26 | 105 | 1770-1779 |
| 107 | 31 | 150 | 1780-1789 |
| 125 | 66 | 164 | 1790-1799 |
| 122 | 57 | 234 | 1800-1809 |
| 144 | 78 | 279 | 1810-1819 |
| 267 | 113 | 449 | 1820-1829 |
| 295 | 113 | 428 | 1830-1839 |
| 346 | 110 | 526 | 1840-1849 |
| 342 | 146 | 535 | 1850-1859 |
| 366 | 152 | 554 | 1860-1869 |
| 363 | 130 | 605 | 1870-1879 |
| 479 | 233 | 820 | 1880-1889 |
| 510 | 374 | 843 | 1890-1899 |
| 407 | 353 | 769 | 1900-1909 |
| 281 | 343 | 553 | 1910-1919 |
| 193 | 306 | 579 | 1920-1929 |
| 129 | 356 | 606 | 1930-1939 |
| 4646 | 3019 | 8503 | TOTAL |

*Publications by decade comparing English language and German language authors with the rest of the world.*




*Average age at first publication and average lifespan for TL-2 authors by decade.*

# Abbreviations*

| | |
|---|---|
| a. | ante (before). In some Latin booktitles also abbreviation for anno (year). |
| A | CAMBRIDGE: Arnold Arboretum, Harvard University 22 Divinity Ave., Cambridge, Massachusetts 02138, U.S.A. |
| Aa | AA, A.J. VAN DER, *Biographisch woordenboek der Nederlanden*, bevattende levensbeschrijvingen van zoodanige personen, die zich op eenigerlei wijze in ons vaderland hebben vermaard gemaakt. Haarlem 1853-1878 (Reprinted Amsterdam 1969), 7 vols. |
| AAR | ZIKHRON-YA'AQOV: Herbarium Aaron Aaronsohn, 40 Hameyasdina St., Zikhron Ya'aqov, Israel. |
| AAU | AARHUS: Herbarium Jutlandicum, Botanical Institute, University of Aarhus, 68 Nordlandsvej, DK-8240, Risskov, Denmark. |
| Abbr. | Abbreviation, abbreviated. |
| ABD | ABERDEEN: Department of Botany, The University, Aberdeen, AB9. 24D Scotland, Great Britain. |
| ABD | (as a bibliographical reference) *Allgemeine Bibliographie Deutschlands.* |
| *Abh.* | *Abhandlungen.* |
| ABI | ABIDJAN: Herbarium Abidjan, Centre ORSTOM, B.P. 20, Abidjan, Côte d'Ivoire. |
| ABSL | SAINT PAUL: American Bryological and Lichenological Society Herbarium, Department of Botany, University of Minnesota, Saint Paul, Minnesota 55108, U.S.A. (formerly at Boulder). |
| Abt. | Abteilung (division). |
| Abth. | Abtheilung (division), cf. Abt. |
| AC | AMHERST: Amherst College Herbarium, Amherst, Massachusetts 01002, U.S.A. |
| ACAD | WOLFVILLE: E.C. Smith Herbarium of Acadia University, Wolfville, Nova Scotia, Canada. |
| Acad. | Académie des Sciences. Paris. – The dates of receipt by the Académie of printed publications listed in:<br>*Procès-verbaux* des séances de l'Académie tenues depuis la Fondation l'Institut [1795] jusqu'au mois d'août 1835. 10 volumes, Hendaye, 1910-1921.<br>*Comptes rendus hebdomadaires* des séances: volumes 1-121, 1835-1900.<br>*L'Institut.* Journal des académies et sociétés scientifiques de France et de l'Étranger: volumes 1-44, 1833-1876. |
| AD | ADELAIDE: State Herbarium of South Australia, Botanic Garden, North Terrace, Adelaide, South Australia 5000. |
| A.D. | Anno Domini, in the year of our Lord. |
| ADB | *Allgemeine deutsche Bibliographie.* Leipzig, volumes 1-56, 1875-1912. In some references to sources of dates also for *Allgemeine deutsche Bibliothek,* Berlin, vols. 1-118, 1765-1796. |
| Add. | Addenda; (additional in "add. inf."). |
| adj. | adjunct; sometimes used to denote a class of membership in an academy of sciences. |
| adv. | advertisement(s), (of a publication in a general or reviewing journal). |
| aet. | aetatis (of or at the age of). |
| Afr. | Africa, African. |
| AG | Ascherson and Graebner, *Synopsis der mitteleuropäischen Flora,* see TL-2/200. Contains much original biographical information in footnotes pertaining to eponymous plant names. |
| Agron. | Agronomy, agronomia, agronomie, agronomical. |
| AHFH | LOS ANGELES: Herbarium of the Allen Hancock Foundation, University of Southern California, Los Angeles, California 90007, U.S.A. |
| Ainsworth | AINSWORTH, G.C., *Introduction to the history of mycology,* 1976. |

* For abbreviations of public herbaria see current edition of *Index Herbariorum.*

| | |
|---|---|
| AK | AUCKLAND: Auckland Institute and Museum, private Bag, Auckland, New Zealand. |
| Akad. | Akademie. |
| AKL | *Allgemeine Konst- en Letterbode.* Haarlem, The Netherlands, 1-11, 1788-1793, 1801-1862 (1794-1800 *Nieuwe Algemeene Konst- en Letterbode).* |
| AKU | AUCKLAND: University of Auckland, Auckland, New Zealand. |
| AL | ALGER: Herbier du Laboratoire de Botanique de la Faculté des Sciences, Université d'Alger, Alger. |
| alg. | algae. |
| allg. | allgemein(e). |
| Alman. | Almanach, almanaque, almanak. |
| algol. | algological, algology. |
| Almborn | LUND, Sweden, private library of Ove Almbron. |
| alt. | alternative; sometimes also: alteration. |
| ALU | UNIVERSITY: Mohr Herbarium, Alabama Museum of Natural History, University, Alabama 35486, U.S.A. |
| ALZ | *Allgemeine Literatur-Zeitung.* |
| AMD | AMSTERDAM: Hugo de Vries-Laboratorium, Plantage Middenlaan 2a, Amsterdam-4, Netherlands. |
| Amer. | American. |
| AMES | CAMBRIDGE: Orchid Herbarium of Oakes Ames, Botanical Museum, Harvard University, Cambridge, Massachusetts 02138, U.S.A. |
| An. | Anales. |
| an., ann. | announcement; in booktitles: annus (year). |
| Andrews | ANDREWS, HENRY N., Jr., *Index of generic names of fossil plants* 1820-1965. Geological survey Bulletin 1300. Washington D.C., 1970, iii, 354 p. References are to this *second* edition. An addition covering the years 1966-1973 was published by Anna M. Blazer, U.S. Geol. Survey Bull. 1936, 1975. |
| ANG | ANGERS: Herbier Lloyd, Place des Halles, Angers, France. |
| ANGUC | ANGERS: Herbier de la Faculté Libre des Sciences, Place André Leroy, Angers, France. |
| Ann. | Annales, annals, annali; sometimes: annual. |
| Anon. | Anonymous. |
| Anz. | Anzeiger. |
| App. | Appendix. |
| app. | appointed, appointment. |
| approb. | approbation (indication date sanction of publication by censor). |
| Apr. | April. |
| Arch. | Archief, archive(s), Archiv, archivio. |
| ARIZ | TUCSON: The University of Arizona Herbarium, 113 Agricultural Sciences Building. The University of Arizona, Tucson, Arizona 85721, U.S.A. |
| Ark. | Arkiv, arkif. |
| Arq. | Arquivos. |
| Art. | Article; in *International Code of Botanical Nomenclature,* see full reference under ICBN. |
| ASSAM | SHILLONG: Botanical Survey of India, Eastern Circle, "Woodlands", Shillong, Assam State, India. – *See* CAL. |
| Atl. | Atlas. |
| Aug | August. |
| Austr., Austral. | Australian. |
| AUT | AUTUN: Société d'Histoire Naturelle et des Amis du Muséum d'Autun, 19 Rue Saint Antoine, 71400 Autun, France. |
| auth. | author(s). |
| autobiogr. | autobiography. |
| AV | AVIGNON: Herbier du Muséum Requien d'Histoire naturelle de la ville d'Avignon, France. |
| AWH | ANTWERPEN: Natuurwetenschappelijk Museum (Dr. H. van Heurck), Gerard le Grellelaan 5, B2020 Antwerpen, Belgium. |
| *b.* | born. |
| B | BERLIN: Botanischer Garten und Botanisches Museum Berlin-Dahlem, Köni- |

gin-Luise Strasse 6-8, D-1000 Berlin 33. Many collections destroyed by fire in 1943.

BA — BUENOS AIRES: Museo Argentino de Ciencias Naturales "Bernadino Rivadavia' e Instituto Nacional de Investiagaciones de las Ciencias Naturales, Avda. Angel Gallardo 470, Casilla de Correo 10- Sucursal 5, Buenos Aires, Argentina.

Backer — BACKER, C.A., *Verklarend woordenboek* der wetenschappelijke namen van de in Nederland en Nederlandsch-Indiè in het wild groeiende en in tuinen en parken gekweekte varens en hoogere planten. Groningen, Batavia 1936. See TL-2/227.

BAF — BUENOS AIRES: Museo de Botánica y Farmacologia "Juan A. Dominguez", Junin 956, Buenos Aires, Argentina.

Barneby — Private library of R. Barneby, New York Botanical Garden, Bronx, N.Y., U.S.A.

Barnhart — BARNHART, JOHN HENDLEY, *Biographical notes upon botanists*. Boston, volumes 1-3, 1965.

BAS — BASEL: Herbarium, Botanisches Institut der Universität Basel, Basel, Switzerland.

BASSA — BASSANO DEL GRAPPA: Herbarium of the Museum, Museo, Biblioteca, Archivio-Bassano, del Grappo, (Vicenza), Italy.

BAY — BAYONNE: Muséum d'Histoire de Bayonne, Rue Jacques Lafitte, 7, Bayonne (Bas-Pyr.), France.

BB — BRITTEN, JAMES and GEORGE S. BOULGER, *A bibliographical index of deceased British and Irish botanists*. Second edition, revised and completed by A.B. RENDLE, London 1931, TL-2/772.

BBC — *Beihefte zum Botanischen Cenralblatt*, Kassel, vols. 1-62, 1891-1944.

BC — BARCELONA: Instituto Botánico de Barcelona, Av. de Muntanyans, Parc de Montjuic, Barcelona 4, Spain.

Beck — BECK, CCHRISTIAN DANIEL (1757-1832), *Allgemeines Repertorium der neuesten in- und ausländischen Litteratur*. Leipzig, Wien, volumes 1-14, 1819-1833.

Beds. — Bedfordshire.

Beibl. — Beiblatt, Beiblätter.

Beih. — Beihefte.

Beitr. — Beitrag, Beiträge.

BEL — BELFAST: Ulster Museum, Botanic Gardens, Belfast 9, Northern Ireland.

Ber. — Bericht, Berichte.

BERN — BERN: Botanisches Institut und Garten der Universität, Altenbergrain 21, CH-3013 Bern, Switzerland.

BF — *Bibliographie de la France*, volumes i-x, 1813-x. [Title varies; first volume: *Bibliographie de l'Empire français ou Journal de l'Imprimerie et de la librairie]*. Important source for dating French publications. The weekly issues contain lists of new books, pamphlets and of instalments of serial publications. The date on which BF lists a book published in Paris can usually be taken as that of actual publication.

BFM — HAMANN, U. und G. WAGENITZ, *Bibliographie zur Flora von Mitteleuropa*, München 1970, 328 p.

B.Fr. — see BF.

BFT — BELFAST: The Herbarium, Department of Botany, The Queen's University, Belfast, Northern Ireland, Great Britain.

BG — BERGEN: Universitets Botaniske Museum, Postboks 12, N-5014 Bergen, Norway.

B-G — Bibliothek Deutsche Gartenbau-Gesellschaft. Technische Universität, Berlin (W).

BGa — *Botanical Gazette*, Crawfordsville, Indiana, vols. i-x, 1875-x.

BH — *Bibliographia Huntiana*, Documentation on botanical publications 1730-1840 at the Hunt Institute of Botanical Documentation, Carnegie-Mellon University, Pittsburgh, Pa., U.S.A.

BH — (as herbarium abbreviation) ITHACA: L.H. Bailey Hortorium, Mann Library Building, Cornell University, Ithaca, New York 14850, U.S.A.

Bibl. — Bibliography, bibliographie; sometimes also bibliotheca.

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|---|---|
| Bibl. Fr. | see BF. |
| Bibl. nat. | Copy at Bibliothèque nationale, Paris, France. |
| Bih. | Bihang. |
| Bijdr. | Bijdrage(n). |
| bind. | binder; usually referring to a sheet carrying binder's instructions. |
| Biogr. | Biography, biographical. |
| Biohist. Inst. | Library of the Institute for the history of biology (formerly): Biohistorical Institute of the University of Utrecht, the Netherlands. |
| Biol. | Biological, biologique, biologisch. |
| BTU | Bibliothek Technische Universität Berlin (W). |
| Biol.-Dokum. | Biologie Dokumentation der deutschen biologischen Zeitschriftenliteratur 1796-1965. |
| BIRA | BIRMINGHAM: City Museum and Art Gallery, Birmingham B3 3DH, Great Britain. |
| BIRM | BIRMINGHAM: Department of Botany, The University, Edgbaston, Birmingham, Great Britain. |
| BISH | HONOLULU: Dept. of Botany, Bernice P. Bishop Museum, P.O. Box 6037, Honolulu, Hawaii 96818, U.S.A. |
| BJI 1 | DIELS, F.L.E. & MILDBRAED, G.W.J., *Generalregister der Bot. Jahrb.* 1 (1-30). 1904. |
| BJI 2 | SCHUSTER, C. & SCHWEIZ, W., *Generalregister Bot. Jahrb.* 2 (31-56). 1938. |
| BKL | BROOKLYN: Brooklyn Botanic Garden, 1000 Washington Avenue, Brooklyn, New York 11225, U.S.A. |
| BL | BLAKE, S.F., *Geographical guide to Floras of the world.* Part 1 (with A.C. Atwood), Washington 1942 (USDA, Misc. publ. no. 401); part 2, Washington 1961 (USDA, Misc. publ. no. 797). TL-2/548, 549. |
| Blätt. | Blätter. |
| BLAT | BOMBAY: Blatter Herbarium, St. Xavier's College, Bombay 400 001, India. |
| BLH | BLOOMFIELD HILLS: Billington Herbarium, Cranbrook Institute of Science, 500 Lone Pine Road, Bloomfield Hills, Michigan 48013, U.S.A. |
| Blunt | BLUNT, W., *The art of botanical illustration.* London 1950. |
| BM | (when referring to herbaria) LONDON: The Herbarium and Library of the Department of Botany, British Museum (Natural History) London, Great Britain. Also used to designate the presence of a book, manuscript or plates in the libraries of the British Museum (Natural History), e.g. after "*Copies*". |
| BM | (as a bibliographical reference) *Catalogue of the books, manuscripts, maps and drawings in the British Museum (Natural History)*, 8 volumes, London 1903-1940. Facsimile edition, Weinheim 1964. |
| BM-Bloomsbury | British Museum, Bloomsbury, London. |
| BMNH | British Museum (Natural History) London (as a general reference). |
| BO | BOGOR: Herbarium Bogoriense, Lembaga Biologi Nasional, Bogor, Indonesia. |
| Boktr. | Boktryckare (printer). |
| BOL | CAPE TOWN: Bolus Herbarium, University of Cape Town, Rondebosch 7700, Cape Town, South Africa. |
| Bol. | Boletim, Boletin. |
| Boll. | Bollettino. |
| BOLO | BOLOGNA: Istituto Botanica dell'Università, Via Irnerio 42, Bologna, Italy. |
| BONN | BONN: Botanisches Institut der Universität Bonn, Abt. für Morphologie und Systematik, Meckenheimer Allee 170, D-53 Bonn, Federal Republic of Germany, BRD. |
| Bonplandia | *Bonplandia.* Zeitschrift für die gesammte Botanik. Hannover, Germany, vol. 1-10, 1853-1862. |
| BORD | BORDEAUX: Jardin Botanique de la ville de Bordeaux, Terrasse du Jardin public, 33000 Bordeaux, France. |
| Bossert | *Biographical dictionary of botanists represented in the Hunt Institute portrait collection*, Boston, Mass. 1972, 451 p. (compiled by Theodore W. Bossert). |
| Bot. | Botany, botanical, botanique, botanische, etc. |
| Bot. Not. | *Botaniska Notiser.* Lund 1839-x. (with brief interruptions). |
| Bot. Zeit. | *Botanische Zeitung*, Berlin (later: Leipzig), vols. 1-50, 1843-1892. Index to vols. |

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|---|---|
| | 1-50: R. ADERHOLD, General-Register der ersten fünfzig Jahrgänge der Botanischen Zeitung. Leipzig 1895. |
| BP | BUDAPEST: Museum of Natural History, Department of Botany, Vajdahunyadvára, Budapest, Hungary. |
| B-P-H | Botanico-Periodicum-Huntianum, George H.M. Lawrence, A.F. Günther Buchheim, Gilbert S. Daniels, Helmut Dolezal, editors, Hunt Botanical Library, Pittsburgh, Pa. 1968. |
| BPI | BELTSVILLE: National Fungus Collecions, Agricultural Research Center-West, Beltsville, Maryland 02705, U.S.A. |
| BPU | BUDAPEST: Institute of Plant Taxonomy and Ecology of the Eötvös L. University, 1088 Muzeum körut 4A, Budapest, Hungary. |
| BR | BRUXELLES: Jardin botanique national de Belgique, Domaine de Bouchout, B-1860 Meise, Belgium. |
| BRA | BRATISLAVA: Slovenské národné múzeum, Vajanského 2, Bratislava, Czechoslovakia. |
| Braz. | Brazilian. |
| BREM | BREMEN: Übersee-Museum, Bahnhofsplatz 13, Bremen, Federal Republic of of Germany, BRD. |
| Bret. | *see* Bretschneider. |
| Bretschneider | BRETSCHNEIDER, E., *History of European botanical discoveries,* 2 vols., St. Petersburg 1898, reprint Leipzig 1962, see no. 748. |
| BRI | BRISBANE: Queensland Herbarium, Meiers Road, Indooroopilly, Queensland 4068, Australia (formerly: Botanic Museum and Herbarium, Botanic Gardens). |
| Briquet | BRIQUET, JOHN, Biographies des botanistes à Genève de 1500 à 1931. *Bulletin de la Société Botanique Suisse,* 50a: 1-494. Jan 1940. |
| BRIST | BRISTOL: Department of Botany, University, Bristol BS8 1UG, Great Britain. |
| BRISTM | BRISTOL: The City Museum, Bristol, Great Britain. |
| Brit. | British. |
| BRL | BRISTOL: City Library, Bristol, Great Britain. |
| BRLU | BRUXELLES: Laboratoire de botanique, systématique et d'écologie, 28 Avenue Paul Héger, 1050 Bruxelles, Belgium. |
| BRNM | BRNO: Botanical Department of the Moravian Museum, Preslova 1, 60200 Brno, Czechoslovakia. |
| BRNO | see BRNU. |
| BRNU | BRNO: Institute of Plant Biology and Herbarium, University of J.E. Purkyné, 2 Kotlárská, 611 37 Brno, Czechoslovakia. |
| Broadsheet | Book made up of leaves which are unfolded complete sheets. |
| BRSL | BRESLAU: Botanisches Institut, herbarium and library; now WRSL; Wrocklaw, Instytut botaniczny, q.v. |
| BR-Bibl. roy. | BRUXELLES, Bibliothèque royale. |
| BRU | PROVIDENCE: Brown University Herbarium, Rogers Hall, Brown University, Providence, Rhode Island 02912, U.S.A. |
| Brum. | Brumaire, 22 or 23 Oct-20 or 21 Nov (French revolutionary calendar). |
| BRY | PROVO: Herbarium, Brigham Young University, Rm. 113 B-49 Provo, Utah 84601, U.S.A. |
| bryoph. | bryophyta, bryophytes. |
| B-S | BERLIN (WEST), Staatsbibliothek Preussischer Kulturbesitz. |
| BSBF | *Bulletin de la Société botanique de France,* Paris, vol. 1-x, 1854-x. |
| BSbF | *Bulletin de la Société de France,* vols. 1-x, 1854-x. |
| BSGF | *Bulletin de la Société géologique de France,* Paris, vol. i-x, 1830-x. |
| BSN | BOSTON: Biological Science Center, Boston University, 2 Cummington Street, Boston, U.S.A. |
| BTC | *Bulletin of the Torrey botanical Club,* Lancaster, Pa., 1-x, 1870-x. Index: to volumes 1-75 (1870-1948), by Harold William Rickett. Lancaster, Pa. 1955. |
| B-TU | Bibliothek Technische Universität Berlin (W). |
| BUC | BUCURESTI: Institutatea din Bucuresti, Grădina Botanică, Cotrocenti 32, Bucuresti 15, Roumania. |
| BUCA | BUCURESTI: Institutul de Biologie "Tr. Savulescu" al Academici R.P.R., Spl. Independentei 296, Bucureşti 17, Roumania. |

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|---|---|
| BUF | BUFFALO: The Clinton Herbarium, Buffalo Museum of Science, Humboldt Park, Buffalo, New York 14211, U.S.A. |
| BUL | BULAWAYO: National Museum of Rhodesia, 8th Avenue, Bulawayo, Rhodesia. |
| Bull. | Bulletin. |
| BUT | INDIANAPOLIS: Friesner Herbarium, Butler University, Indianapolis, Indiana 46208, U.S.A. |
| B.W | BERLIN: Herbarium Willdenow. – *See* B. |
| BZF | BOGOR: Lembaga Pusat Penjelidikan Kehutanan (Forest Research Institute), Bogor, Indonesia. |
| C | COPENHAGEN: Botanical Museum and Herbarium, Gothersgada 130, DK-1128 Copenhagen K., Denmark. |
| ca. | circa (about). |
| CAG | CAGLIARI: Instituto Botanico della Università, Viale Fra Ignazio da Laconi 13, Cagliari, Sardinia, Italy. |
| CAI | CAIRO: Department of Botany, Faculty of Science, Cairo University, Giza, Cairo, Egypt. |
| CAL | CALCUTTA: Botanical Survey of India, Head Office at Calcutta, Central National Herbarium, Sibpore, Howrah, India. |
| Cal., Calend. | Calends (first of month in Roman calendar). |
| Calend. | Calendarium. |
| Cal(if). | California(n). |
| CAN | OTTAWA: Vascular Plant Section, National Herbarium of Canada, National Museum of Natural Sciences, (Botany Division), National Museums of Canada, Ottawa, Ontario, Canada K1A OM8. |
| Canad. | Canadian. |
| CANB | CANBERRA: Herbarium Australiense, Commonwealth Scientific and Industrial Research Organization, P.O. Box 1600, Canberra City, A.C.T. 2601, Australia. |
| Canc. | cancellans, cancel (leaf or sheet replacing original printing). |
| Candollea | *Candollea,* organe du Conservatoire et Jardin botaniques de la ville de Genève. Genève 1-x, 1922-x. |
| CANM | OTTAWA: Bryophyte Section, National herbarium of Canada. – *See* CAN. |
| CANTY | CHRISTCHURCH: Canterbury Museum, Christchurch, New Zealand. |
| CAS | SAN FRANCISCO: Department of Botany, California Academy of Sciences, Golden Gate Park, San Francisco, California 94118, U.S.A. |
| Cas. | Časopis (acta). |
| CAT | CATANIA: Istituto di Botanica. Orto Botanico, Università di Catania, Via Antonino Longo 19, Catania, Sicilia, Italy. |
| Cat. | Catalogue. |
| CBS | BAARN: Centraalbureau voor Schimmelcultures, Oosterstraat 1, Baarn, Netherlands (Yeast Division: Julianalaan 67A, Delft). |
| Cent. | Centuria, century (a set of a hundred). |
| CERN | CERNAUTI: Botanical Institute of the University, Cernauti (Czernowitz), Bessarabia, U.S.S.R. |
| Cesati | CESATI, V. DE, *Saggio di una bibliografia alogologia italiana.* Napoli 1882, TL-2/1076. |
| cf. | confer (compare). |
| CGE | CAMBRIDGE: Botany School, University of Cambridge, Cambridge, Great Britain. |
| CGG | CAMBRIDGE: University Botanic Garden, Cambridge CB2 1JF, Great Britain. |
| Chapt. | Chapter(s). |
| CHARL | CHARLESTON: Herbarium of the Charleston Museum, Charleston, South Carolina, U.S.A. |
| CHE | CHERBOURG: Herbier de la Société des Sciences Naturelles et Mathématiques, Cherbourg, France. |
| CHRB | NEW BRUNSWICK: Chrysler Herbarium, Department of Botany, Rutgers College, Rutgers University, New Brunswick, New Jersey 08903, U.S.A. |
| Christiansen | CHRISTIANSEN, W. & W., *Botanisches Schrifttum Schleswig-Holsteins,* 1936. |
| Chromolith. | Chromolithographs (pictures printed in colour from stone). |
| Chron. | Chronica. |

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|---|---|
| CHUR | CHUR: Bündner Naturhistorisches und Nationalpark-Museum, Chur, Switzerland. |
| CI | STANFORD: Carnegie Institution of Washington, Department of Plant Biology, Stanford, California 94305, U.S.A. |
| CINC | CINCINNATI: Herbarium, Department of Biological Sciences, University of Cincinnati, Cincinnati, Ohio 45221, U.S.A. |
| circ. | circulaires (circular letters, preliminary announcements). |
| CL | CLUJ: Gràdina Botanica a Universitatii din Cluj, Str. Republicii 42, Cluj, Roumania. |
| CLF | CLERMONT-FERRAND: Laboratoire de Botanique, U.E.R. Sciences exactes et naturelles, 4 & 6 rue Ledru, Clermont-Ferrand, Puy-de Dôme 63000, France. |
| Clokie | CLOKIE, H., *An account of the herbaria of the department of botany in the University of Oxford.* Oxford, 1964. |
| CM | PITTSBURGH: Herbarium, Carnegie Museum 4400 Forbes Street, Pittsburgh, Pennsylvania 15213, U.S.A. |
| CMI | *see* IMI. |
| CN | CAEN: Herbier du Laboratoire de Botanique, Faculté des Sciences, Caen, France. |
| CO | *see* Colmeiro. |
| co. | county. |
| cogn. | cognomen, an additional personal name. |
| COI | COIMBRA: Herbarium of the Botanical Institute of the University of Coimbra, Coimbra, Portugal. |
| Col. | Coloured. |
| Coll. | Collection, collector, collected by. |
| coll. | collection(2), collector(s), collected. |
| Collander | COLLANDER, R., V. ERKAMO, P. LEHTONEN, *Bibliographia fenniae 1901-1950.* Helsinki, 1973. |
| Collander hist. | COLLANDER, R., *The history of botany in Finland 188-1918.* Helsinki 1965. |
| Collect. | Collectanea. |
| Colmeiro | COLMEIRO, M., *Enumeración y revisión de las plantas de la peninsula hispano-lusitana é islas Baleares.* Vol. 1, Madrid, 1885 (TL-2/1182). |
| Colmeiro penins. | COLMEIRO, M., *La botánica y los botánicos de la peninsula hispano-lusitana.* Estudios bibliográficos. Madrid, 1858. See TL-2/1181. |
| COLO | BOULDER: Herbarium, University of Colorado Museum, Boulder, Colorado 80302, U.S.A. |
| coloph., colof. | colophon (tail-piece in books providing information on printing and publishing). |
| comb. | combination (in *comb. nov.*, new nomenclatural combination). |
| Comm. | Commentarii, commentationes. |
| Comp. | Compendium. |
| concl. | conclusion, concluded. |
| Congr. | Congress (usually refers to International Botanical Congresses). |
| Consp. | Conspectus. |
| cont. | contents. |
| Contr. | Contributions. |
| copp. | copper. |
| CORD | CORDOBA: Museo Botánico, Facultad de Ciencias E.F. y Naturales, Avda. Vélez Sarsfield 299, Córdoba, Argentina. |
| corr. | correspondence; in citations of generic names: corrected by; correspondent. |
| CP | COPENHAGEN: Department of Plant Pathology, Thorvaldsensvej 40, Entrance no. 8, DK-1871 Copenhagen V., Denmark. |
| C.R. | Compte(s) Rendu(s). |
| CRK | CORK: Dept. of Botany of the University College, Cork, Great Britain. |
| crypt. | cryptogams, cryptogamie. |
| CS | FORT COLLINS: Herbarium, Colorado State University, Fort Collins, Colorado 80521, U.S.A. |
| CSP | *Catalogue of scientific papers* 1800-1900. Royal Society, London, volumes 1-19, 1867-1925. |

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| CSR | Czechoslovakia. |
| ctd. | continued. |
| CU | ITHACA, Wiegand Herbarium, Cornell University, Mann Library Building, Ithaca, New York 14850, U.S.A. |
| CUP | ITHACA: Plant Pathology Herbarium, Cornell University, Ithaca, New York 14850, U.S.A. |
| curr. vit. | curriculum vitae (brief biography). |
| CW | CHARKOW: Herbarium of the Ukranian Institute for Scientific Research of Socialist Agriculture, The Chajkovskaja 4, Charkow, U.S.S.R. |
| Cycl. | Cyclopedia. |
| d. | died, death. |
| DA 1967 | DANDY, J.E., *Index of generic names of vascular plants* 1753-1774. Utrecht 1967 (Regnum vegetabile vol. 51). |
| DAB | *Dictionary of American Biography*. London, New York, volumes 1-22, 1928-1940. |
| DAO | OTTAWA: Vascular Plant Herbarium, Biosystematics Research Institute, Research Branch, Department of Agriculture, Central Experimental Farm, Ottawa, Canada K1A OC6. |
| DAOM | OTTAWA: National Mycological Herbarium, Biosystematics Research Institute, Research Branch, Agriculture Canada, Central Experiemntal Farm, Ottawa, Canada K1A OC6. |
| Dawson | DAWSON, WARREN R., *The Banks letters*. A calendar of the manuscript correspondence of Sir Joseph Banks preserved in the British Museum, the British Museum (Natural History) and other collections in Great Britain. London 1958, 965 p. *Supplementary letters* (1): Bull. Brit. Mus. (Nat. Hist.) Hist. 3(2), 1962, (2): ib. 3(3), 1965. |
| DBF | *Dictionnaire de Biographie française*. Paris, volumes i-x, 1933-x. |
| DBN | DUBLIN: National Museum of Ireland, Kildare Street, Dublin, Ireland – combined with herbarium of the National Botanic Gardens (formerly DUB). |
| DD | DEHRA DUN: Forest Research Institute & Colleges, Dehra Dun, U.P., India. |
| Dec | December. |
| dec. | decade (a set of ten). |
| dedic. | dedication. |
| def. | definitive. |
| del. | delin. |
| Delect. | Delectus. |
| Delft | Delft, the Netherlands, libraries of the Technische Universiteit. |
| Denkschr. | Denkschrift(en). |
| Dept. | Department. |
| dépt. | département (administrative unit in France). |
| descr. | description. |
| Desmond | DESMOND, R., *Dictionary of British and Irish botanists and horticulturists* including plant collectors and botanical arts. London, 1977. |
| De Toni | DE TONI, G.B., *Sylloge algarum* omnium hucusque cognitarum 1: i-cxxiv. 1889 (Bibliotheca phycologica), 2(1): i-cxxii. 1892 (Bibliotheca diatomologica), 4(1): i-lxi. 1897 (Bibliotheca phycologica, addenda). (TL-2/1421). |
| deut. | deutsch (german); in journal and book titles. |
| D.C.L. | Doctor of civil law [British university degree]. |
| DI | DIJON: Laboratoire de Botanique, Faculté des Sciences, de la Vie et de l'Environnement, Bâtiment Mirande, 6 Bd Gabriel, F 21.000 Dijon, France. |
| diat. | diatoms. |
| Dicot. | Dicotyledones. |
| Dict. | Dictionary. |
| DIN | DINARD: Laboratoire Maritime du Muséum d'Histoire Naturelle, 17 Avenue George V, Dinard (Ille-et-Vilaine), France. |
| Disp. | Dispositio. |
| diss. | dissertatio(n). |
| distr. | distributed. |
| Div. | Divisio(n). |

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| DMNH | DAYTON: The Dayton Museum of Natural History, 2629 Ridge Ave., Dayton, Ohio 45414, U.S.A. |
| DNB | *Dictionary of national Biography*. Oxford, volumes 1-63, 1885-1900. |
| doc., docum. | documentation. |
| DOMO | DOMODOSSOLA: Collegio Rosmini, Domodossola, Italy. |
| DOR | DORCHESTER: Dorset Natural History & Archaeological Society, Dorchester, Great Britain. |
| DPU | GREENCASTLE: The T.G. Yuncker Herbarium, DePauw University, Harrison Hall, Greencastle, Indiana 46135, U.S.A. |
| Dr. phil. | Doctor philosophiae. |
| Dryander | DRYANDER, J., *Catalogus bibliothecae historico-naturalis Josephi Banks*. London, vols. 1-5. 1798-1800. (TL-2/1534). |
| DS | STANFORD: Dudley Herbarium, Department of Biological Sciences, Stanford University, Stanford, California 94305, U.S.A. |
| DSB | *Dictionary of scientific biography*, C.C. Gillispie, editor in chief, vols. 1-14, 1970-1976 and supplement. |
| D.Sc. | Doctor of Science. |
| DSY | DEWSBURY: County Borough Museum, Dewsbury, Great Britain. |
| DTS | DALLA TORRE und SARNTHEIM, Flora der gefürsteten Grafschaft Tirol, Innsbruck 1900-1913, 6 vols., see no. 1299. |
| DU | DUNTHORNE, GORDON, *Flower and fruit prints of the 18th and early 19th centuries*. Washington 1938. |
| DUKE | DURHAM:Duke University Herbarium, Dept. of Botany, Durham, North Carolina 27706, U.S.A. |
| DUL | DULUTH: Olga Lakela Herbarium, University of Minnesota, Duluth, Minnesota 55812, U.S.A. |
| Duod. | Duodecimo, book-size in which each leaf is 1/12 of a printing-sheet. |
| Duod. (in sixes) | Duodecimô, gatherings made up of half sheets, 12 pages per signature. |
| dupl. | duplicate(s). |
| DWC | WEST CHESTER: Darlington Herbarium, West Chester, Pennsylvania, U.S.A. |
| E | EDINBURGH: Herbarium of the Royal Botanic Garden, Edinburgh, Great Britain. |
| E. | East(ern). |
| ed. | edition, the total number of copies of a work printed from the same typesetting at any time (see MacPhail, *Huntia* 2: 281. 1965); sometimes: editor. |
| edit. | editor. |
| e.g. | exempli gratia (for instance). |
| E-GL | Material from Glasgow herbarium (GL) on permanent loan to Edinburgh (E). |
| elench. | elenchus. |
| e.m. | eftermiddag(en) (afternoon (Swedish)). |
| EMC | YPSILANTI: Eastern Michigan University Herbarium, Department of Biology, Eastern Michigan University, Ypsilanti, Michigan 48197, U.S.A. |
| emend. | emendavit. |
| Enc. | Encyclopedia. |
| engr. | engraving. |
| enum. | enumeratio(n). |
| EP | ENGLER, H.G.A. and PRANTL, K.A.E., *Die natürlichen Pflanzenfamilien*, Berlin 1887-1915, ed. 2, Berlin 1924-x. TL-2/1710-1711. |
| ER | ERLANGEN: Herbarium, Botanisches Institut der Universität Erlangen, Erlangen, Germany. |
| Erg.Bl. | Ergänzungs-Blätter. |
| err. | errata, addenda et corrigenda (in collations); in general: erroneous(ly). |
| erron. | erroneous. |
| et al. | et alia (and others). |
| Ewan | Ewan, Joseph A., copy in his private library (at MO). |
| Ewan ed. 1 | EWAN, J., Rocky Mountain naturalists, Univ. Denver Press, Denver, Colo., U.S.A. 1950. |
| Ewan ed. 2 | EWAN, J. and N.D., Biographical dictionary of Rocky Mountain naturalists, Regnum vegetabile 107, Utrecht/Antwerpen 1981. |
| exot. | exotic(ae). expl.explanation. |

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| Exsic., exsicc. | exsiccatae. |
| extr. | extrait, extract. |
| extraord. (or e.o.) | extraordinary (in extraord. prof.). |
| F | CHICAGO: John G. Searle Herbarium, Field Museum of Natural History, Roosevelt Road at Lake Shore Drive, Chicago, Illinois 60605, U.S.A. |
| f. | filius, son; also as fil. |
| facs. | facsimile. |
| FAS | Copy in the private library of F.A. Stafleu, Utrecht, the Netherlands. |
| fasc. | fascicle, one part of book published by instalments. |
| FB | FREIBURG: Herbarium, Botanisches Institut der Universität, Freiburg, Germany. |
| Feb | February. |
| Férussac | FÉRUSSAC, A.É.P.J.F. d'A. DE, *Bulletin général et universel des annonces et des nouvelles scientifiques;* later as *Bulletin universel des sciences,* Paris, vols. 1-27, 1823-1832. |
| FH | CAMBRIDGE: Farlow Library and Herbarium of Cryptogamic Botany, Harvard University, 20 Divinity Avenue, Cambridge, Massachusetts 02138, U.S.A. |
| FHI | IBADAN: Forest Herbarium Ibadan, Department of Forest Research, Private Mail Bag 5054, Ibadan, Nigeria. |
| FHKSC | HAYS: The Elam Bartholomew Herbarium, Ft. Hays Kansas State College, Hays, Kansas 67601, U.S.A. |
| FHO | OXFORD: Forest Herbarium, Department of Forestry, Commonwealth Forestry Institute, University of Oxford, Great Britain. |
| FI | (reference to a copy of a book or a herbarium) FIRENZE: Herbarium Universitatis Florentinae, Istituto Botanico, Firenze, Italy. |
| FI | (as a bibliographical reference under Rafinesque) FITZPATRICK, T.J., *Rafinesque, a sketch of his life with bibliography.* Des Moines, Iowa 1911. |
| FIAF | FIRENZE: Istituto di Botanica della Facoltà Agraria e Forestale della Università di Firenze, Piazzale delle Cascine 28, 50144 Firenze, Italy. |
| FI-BN | FIRENZE: Bibliotheca nazionale Firenze, Italy. |
| fide | according to; on the authority of. |
| fig., figs. | figure(s). |
| fil. | filius (son). |
| FIT | FIRENZE: Herbarium tropicale, Istituto Botanico, see FI. |
| Fl. | Flora (in titles); the journal is cited as "Flora". |
| fl. | floruit (flourished). |
| Flora | *Flora* oder (allgemeine) botanische Zeitung. Regensburg 1-x, 1818-x.<br>*Indexes:* J.K. Hasskarl, Allgemeines Sach- und Namenregister zu den ersten XXV Jahrgängen der Flora, Regensburg 1851 (vols. 1-25, 1818-1842); Gesamt-Register für die Bände 26-100, Jena 1910 by J. Christian Bay. *Flora* was also specially extracted for TL-2 by J.A. Leussink with respect to biographical and bibliographical information as well as notes on collections and herbaria. |
| Floréal | Floréal, 20 or 21 Apr-19 or 21 Mai (French revolutionary calendar). |
| F.L.S. | Fellow of the Linnean Society of London. |
| f.m. | förmiddag(en) (morning (Swedish)). |
| FMC | LANCASTER: North Museum, Franklin and Marshall College, Lancaster, Pennsylvania 17604, U.S.A. |
| F.M.L.S. | Foreign member of the Linnean Society of London. |
| Fol. | Folio, volume made of sheets of paper folded once. |
| FR | FRANKFURT: Herbarium, Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt, Germany. |
| Fr. | French. |
| Frank | FRANK, A.B., in J. Leunis, *Synopsis der Pflanzenkunde,* ed. 3, vol. 3, 1886, app. p. 1-117 (authors), TL-2/4461. |
| Frim. | Frimaire, 21 or 22 Nov-20 or 21 Dec (French revolutionary calendar). |
| front., frontisp. | frontispiece (illustration facing title-page). |
| F.R.S. | Fellow of the Royal Society, London. |
| Fruct. | Fructidor, 18 or 19 Aug-16 or 17 Sep (French revolutionary calendar). |

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| FT | FIRENZE: Erbario Tropicale di Firenze, via Lamarmora 4, 50121, Firenze, Italy. |
| FU | FUKUOKA: Herbaria of the Faculty of Agriculture, Kyushu University, Hakazaki, Fukuoka, Kyushu distr., Japan. |
| Futak-Domin | FUTÁK, J. & K. DOMIN, *Bibliografia k flóre CSR* do r. 1952. Bratislava, 1960. |
| FWM | FORTH WORTH: Science Department, Forth Worth Museum of Science and History, 1501 Montgomery Street, Forth Worth, Texas 76107, U.S.A. |
| G | GENÈVE: Conservatoire et Jardin botaniques, Postal address: Case postale, CH-1211 Genève 21, Switzerland. |
| GA | ATHENS: Dept. of Botany, Herbarium of the University of Georgia, Athens, Georgia 30602, U.S.A. |
| GAT | GATERSLEBEN: Zentralinstitut für Genetik und Kulturpflanzenforschung, DDR-4325 Gatersleben, Kreis Aschersleben, German Democratic Republic, DDR. |
| GB | GÖTEBORG: Herbarium, Institute of systematic Botany, University of Göteborg, Göteborg, Sweden. |
| G-BOIS | GENÈVE: Herbier Boissier. – *See* G. |
| GC | LEGON: Ghana Herbarium, University of Ghana, P.O. Box 55, Legon, Ghana. |
| GCM | LEGON: Ghana Mycological Herbarium, University College of Ghana – incorporated in GC. |
| GDA | GRANADA: Catédra de Botánica de la Facultad de Farmacia, Granada, Spain. |
| G-DC | Prodromus herbarium (de Candolle) at the Conservatoire botanique de Genève, Switzerland (IDC 800). |
| G-DEL | GENÈVE: Herbier Delessert. – *See* G. |
| GDOR | GENOVA: Museo Civico di Storia Naturale "Giacomo Doria", Via Brigata Liguria 9, Genova, Italy. |
| GE | GENOVA: Istituto ed Orto Botanico "Hanbury" dell'Università, Corso dogali 1C, Genova, Italy. |
| gel. | gelehrte. |
| gen. | general. |
| GENT | GENT: Laboratorium voor Plantensystematiek, 35 Ledeganckstraat, B 9000 Gent, Belgium. |
| GEO | ATLANTA: Department of Biology, Emory University, Atlanta, Georgia 30322, U.S.A. |
| geol. | geological, geology. |
| Germ. | Germinal, 21 or 22 Mar-19 or 20 Apr (French revolutionary calendar). |
| Gersdorf | GERSDORF: E.G., *Leipziger Repertorium der deutschen und ausländischen Literatur.* Leipzig, volumes 1-18, 1834-1850. |
| Ges. | Gesellschaft. |
| Gesch. | Geschichte, geschiedenis (history). |
| GF, GFB | SITWELL, S. and W. BLUNT, *Great flower books 1700-1900.* London 1956, bibliography by P.M. Synge. |
| GFW | GREIFSWALD: Sektion Biologie der Ernst-Moritz-Arndt-Universität Greifswald, Grimmer Strasse 88, DDR-22 Greifswald, German Democratic Republic, DDR. |
| GGA | *Göttingische gelehrte Anzeigen* volumes i-x, 1739-x. Appeared originally every few days in "Stücke" which were precisely dated. For a long time there were four "Stücke" per week, 208-210 per year. Title varies:<br>Göttingische Zeitungen von gelehrten Sachen, 1739-1752;<br>Göttingische Anzeigen von gelehrten Sachen, 1753-1801;<br>Göttingische gelehrte Anzeigen, 1802-x. |
| GH | CAMBRIDGE: Gray Herbarium of Harvard University, 22 Divinity Avenue, Cambridge, Massachusetts 02138, U.S.A. |
| GJO | GRAZ: Botan.-Abt. des Steierm. Landesmuseums Joanneum, Raubergasse 10, A-8010 Graz, Austria. |
| GLEN | GLENNS: Middle Peninsula and Northern Neck Plant Classification Depository, Rappahannock, Community College, South Campus, Glenns, Virginia 23149, U.S.A. |
| GLM | GÖRLITZ: Staatliches Museum für Naturkunde, Forschungsstelle, Am Museum I, Görlitz, German Democratic Republic, DDR. |

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| GOD | GODALMING: Charterhouse School Museum. Godalming, England |
| GOET | GÖTTINGEN: Systematisch-Geobotanisches Institut, Universität Göttingen, Unt. Karspüle 2, D-34 Göttingen, Federal Republic of Germany, BRD. |
| GOET-UB | GÖTTINGEN, Universitätsbibliothek. |
| G-PAE | GENÈVE: Conservatoire et Jardin botaniques (see G), herbier Paul Aellen. |
| GR | references to a herbarium: GRENOBLE: Laboratoire de Botanique et Biologie Végétale de l'Université Scientifique et Médicale, BP 53, 38041 Grenoble Cédex, France. |
| GR | GRUMMAN: VITUS, *Biographisch-bibliographisches Handbuch der Lichenologie,* 3301 Lehre, Verlag von J. Cramer, 1974. |
| GRA | GRAHAMSTOWN: Herbarium of the Albany Museum, Botanical Research Unit, P.O. Box 101, Grahamstown, South Africa. |
| GR cat. | GRUMMAN, V., *Catalogus lichenum Germaniae.* Stuttgart, 1963. |
| Greuter, W. | Private library W. Greuter, Botanisches Museum und Herbarium, Berlin-Dahlem. |
| GRI | GRINNELL: Grinnell College Herbarium, Biology Department, Grinnell, Iowa 50112, U.S.A. |
| GRM | GRENOBLE: Herbier du Muséum d'Histoire Naturelle, Grenoble, France. |
| GRO | HAREN: Biological Centre, Department of Systematic Botany, Kerklaan 30, P.O. Box 14, Haren (Groningen), Netherlands (formerly at Groningen). |
| GZU | GRAZ: Institut für systematische Botanik, Holteigasse 6, A-8010 Graz, Austria. |
| H | HELSINKI: Botanical Museum, University of Helsinki, Unioninkatu 44, SF-00170 Helsinki, Finland. |
| HA | HALLER, A. VON, Bibliotheca botanica, Zürich 1771-1772, 2 vols. |
| HAC | HABANA: Instituto de Botánica de la Academia de Ciencias de Cuba, Calzada del Cerro 1257, La Habana, Cuba. |
| HAL | HALLE: Martin-Luther-Universität, Sektion Biowissenschaften, Wissenschaftsbereich Geobotanik und Botanischer Garten, Neuwerk 21, Halle (Saale), German Democratic Republic, DDR. |
| h.a.m.c. | hora ante meridiem consueta. |
| h.a.m.s. | hora ante meridiem solita. |
| HAMU | NEWCASTLE UPON TYNE: Herbarium of the Hancock Museum, Newcastle upon Tyne, Great Britain. |
| HAN | HANNOVER: Institut für Vegetationskunde der technischen Universität, Nienburgerstrasse 17, 3 Hannover, Federal Republic of Germany, BRD. |
| Hausmann | HAUSMANN ZU STETTEN, F. VON, *Flora von Tirol,* 3 parts, Innsbruck 1851-1854, see TL-2/2483. |
| Hawksworth | HAWKSWORTH, D.L., *Mycologist's Handbook.* London, 1974. |
| HBG | HAMBURG: Institut für allgemeine Botanik, Hamburg, Federal Republic of Germany, BRD. |
| h.c. | honoris causa, honorary (doctor's degree). |
| HCIO | DELHI: Herbarium Cryptogamiae Indiae Orientalis, Division of Mycology and Plant Pathology, Indian Agricultural Research Institute, Delhi 110012, India (formerly under New Delhi). |
| HE | HELLER, JOHN LEWIS, *Index auctorum et librorum* a Linnaeo (Species plantarum, 1753) citatorum, *in* Linnaeus, Species plantarum, Ray Society facsimile edition, appendix to vol. 2, pp. 3-60. 1959. |
| Hedwigia | *Hedwigia.* Ein Notizblatt für kryptogamische Studien. Vols. 1-82, 1852-1944. |
| Hegi | HEGI, G., *Illustrierte Flora von Mittel-Europa,* München, 1906-1931; for further details see TL-2/2571. |
| HEID | HEIDELBERG: Institut für Systematische Botanik der Universität, Kirschnerstrasse 6, Heidelberg, Federal Republic of Germany, BRD. |
| HENREY | HENREY, BLANCHE, British botanical and horticultural literature before 1800, 3 vols., London 1975. The numbers cited refer to the bibliographies in vols. 1 and 3. |
| hepat. | hepatics, hepaticae. |
| herb. | herbarium. |
| Herder | HERDER, F. V., *Catalogus systematicus bibliothecae horti imperialis botanici Petropolitani.* Editio nova, Petropoli 1886. |

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| HH | Copy in the combined libraries of the Harvard University Herbaria (A and GH). |
| Hinrichs | *Börsenblatt für den deutschen Buchhandel* und für die mit ihm verwandten Geschäftszweige. Leipzig vols. 1-x, 1834-x. – From 1(5) (31 Jan 1834) on, the Börsenblatt contained a list of the "Neuigkeiten, vom [...] in Leipzig angekommen und mitgetheilt von der J.E. Hinrichsen Buchhandlung". The dates of receipt by Hinrichs are taken as dates of publication if they refer to books published in Leipzig; for books published in other places there may have been a delay in reporting due to the time required for sending the books to Leipzig. Many botanical items listed by Hinrichs in the years 1834-1855 are referred to in this book. |
| HIRO | HIROSHIMA: Botanical Institute, Hiroshima University, Higashisenda, Hiroshima, Japan 730. |
| Hirsch | HIRSCH, G.C., *Index biologorum* investigatores, laboratoria, periodica, Berlin, 1928. |
| Hist. | History, histoire. |
| Hist. Coll. BMNH | G. MURRAY, The Department of Botany *in: The history of the collections contained in the natural history departments of the British Museum*, vol. 1, London 1904, pp. 79-193. |
| Hitchcock | HITCHCOCK, A.S., *Location of type specimens*. 2 lists, Washington, D.C., 1934, 1935.<br>Mimeographed lists, without title-pages, circulated by Hitchcock as chairman of the Committee on Nomenclature of the Botanical Society of America. The lists were admittedly provisional and contain a certain number of errors, TL-2/2819. |
| HK | HONG KONG: Herbarium, Agriculture and Fisheries Department, Canton road Government Offices, Kowloon, Hong Kong. |
| HL | STEVENS, *The Humboldt library*. London 1863, facsimile reprint Leipzig 1967. |
| h. & l.c. | *see* h.l.q.s. |
| h.l.q.c. | hora locoque consuetis. |
| h.l.q.s. | hora locoque solitis. |
| HNC | *Historiae naturalis classica*, Weinheim, Lehre, a series of facsimile reprints edited by J. Cramer. |
| HNH | HANOVER: Jesup Herbarium, Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755, U.S.A. |
| hort. | horticulture, horticultural. |
| Hortus 3 | *Hortus third*. A concise dictionary of plants cultivated in the Unites States and Canada. Initially compiled by Liberty Hyde Bailey and Ethel Zoe Bailey. Revised and expanded by the staff of the Liberty Hyde Bailey Hortorium. New York, London 1976. |
| h.p.m.s. | hora post meridiem solita. |
| HR | HOOPER - ROBERTS documentation on Australian botany. See Karg, Taxon 23: 613-618. The main set of this documentation is at the Hunt Institute for Botanical Documentation, Pittsburgh, Pa. Other sets are at the Australian Academy of sciences, Canberra, Australia, and at the Royal Botanic Gardens, Kew. |
| H.S. | Hortus siccus (designation used in Sloane herbarium). |
| h.t. | half title, "french title". |
| HU | *Catalogus of botanical books in the collection of Rachel McMasters Miller Hunt*, 2 vols. Pittsburgh 1958, 1961. – Volume 1 compiled by Jane Quinby, volume 2(2) by Allan Stevenson. |
| HU | (When used to indicate location of copies): The library of the Hunt Institute for Botanical Documentation (Hunt Library), Carnegie-Mellon University, Pittsburgh, Pa., U.S.A. |
| H-UB | HELSINKI, Finland, University Library. |
| I | IASI: Laboratorul si Museul Botanic, Facultatea de Biologie-Geografie, Universitatea "Al. I. Cuza" sin Iasi, Iasi, Roumania. |
| IA | IOWA CITY: Herbarium, Department of Botany, University of Iowa, Iowa City, Iowa 52242, U.S.A. |

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| IAC | CAMPINAS: Instituto Agronómico do Estado (Phanerogamic Herbarium), Caixa postal 28, 13.100 Campinas SP, Brazil. |
| IAN | BELEM: Instituto de Pesquisa e Experimentação do Norte (formerly): Instituto Agronomico do Norte), Caixa postal 48, Belém, Pará, Brazil. |
| IAPT | International Association for Plant Taxonomy. |
| IARI | DELHI: Division of Plant Introduction, Indian Agricultural Research Institute, Delhi (12), India (formerly under New Delhi). |
| IB | INNSBRUCK: Institut für Botanische Systematik und Geobotanik der Universität Innsbruck, Sternwartestrasse 15, Innsbruck, Austria. |
| ib., ibid. | ibidem (in the same book, chapter, passage, etc.). |
| IBF | INNSBRUCK: Tiroler Landesmuseum Ferdinandeum, Botan. Abteilung, Innsbruck, Austria. |
| IBI | KEFAR MALAL: Independent Biological Laboratories, P.O.B. Ramatayim, Kefar Malal, Israel. |
| ICBN | *International Code of Botanical Nomenclature* adopted by the Eleventh International Congress, Seattle, August 1969. Utrecht 1972. (Regnum vegetabile vol. 82) and later editions. |
| ICEL | REYKJAVIK: Náttúrufraedistofnum Islands, Grasafraedideild (Museum of natural History, Dept. of Botany), P.O. Box 5320, Reykjavik, Iceland. |
| ICNCP | *International Code of Nomenclature for Cultivated Plants* 1961. Utrecht 1961 (Regnum vegetabile vol. 22) and later editions. |
| iconogr. | iconographia. |
| id. | idem; in dates: ides. |
| IDC | Inter Documentation Company, Poststrasse, Zug, Switzerland. The IDC numbers given under references (*Ref.*) in most entries are those of the microfiche editions of the respective books. Most of these microfiche editions are currently available. |
| *i.e.* | id est (that is to say). |
| IF | CHRISTENSEN, C., *Index filicum* sive enumeratio omnium generum specierumque filicum et hydropteridum ab anno 1753 ad finem anni 1905 descriptorum. Kjøbenhavn 1906. Supplementum 1, ib. 1913, 2, ib. 1917, 3, ib. 1934. Supplementum 4, by R.E.G. Pichi-Sermolli, Utrecht 1965 (see no. 1128). |
| IH | LANJOUW, J. and F.A. STAFLEU, *Index Herbariorum.*<br>1. *The herbaria of the world,* ed. 7, Utrecht 1981 (Regnum vegetabile vol. 106), but always consult current edition.<br>2. *Collectors' Index,* part 1 A-D, Utrecht 1954 (Regnum vegetabile vol. 2).<br>part 2 E-H, Utrecht 1957 (Regnum vegetabile vol. 9).<br>part 3 I-L, Utrecht 1972 (by M.N. Chaudri, I.H. Vegter and C.M. de Wal Regnum vegetabile vol. 86).<br>part 4 M, Utrecht 1976 (by I.H. Vegter).<br>part 5 N-R, Utrecht 1983 (by I.H. Vegter, Regnum vegetabile vol. 109).<br>part 6 S, Utrecht 1986 (by I.H. Vegter, Regnum vegetabile vol. 114).<br>part 7, T-Z, Utrecht 1988 (in press). |
| IK | *Index kewensis plantarum phanerogamarum (*B.D. Jackson), London 1893-1895, 2 vols., 15 supplements 1901-1974. |
| ILL | URBANA: Herbarium of the Department of Botany, University of Illinois, Urbana, Illinois 61801, U.S.A. |
| ill. | illustrations (in text). |
| IMI | KEW: Commonwealth Mycological Institute, Ferry lane, Kew, Richmond, Surrey TW9 3AF, Great Britain. |
| impr. | imprimatur (official license to print (often dated). |
| incl. | including. |
| incompl. | incomplete. |
| IND | BLOOMINGTON: Herbarium of Indiana University, Department of Plant Sciences, Indiana University, Bloomington, Indiana 47401, U.S.A. |
| Ind. | Indian. |
| ind. | index. |
| inf. | information obtained from. |
| ING | *Index nomium genericorum (plantarum),* edited by Ellen R. Farr, Jan A. Leussink, and Frans A. Stafleu, Utrecht-The Hague, 1979, 3 vols., (Regnum |

vegetabile vols. 100-102), supplement 1, id. 1986 (Regnum vegetabile vol. 113).

instr. instruction(s).

int. international.

intr. introduction.

IPC ILE DE PORT CLOS, Musée d'histoire naturelle, Ile de Port Clos, France.

IPS IPSWICH: The Museum, Ipswich, East Suffolk, Great Britain.

Is. Island(s).

ISBN International Standard Book Number.

ISC AMES: Department of Botany and Plant Pathology, Iowa State University Herbarium, Iowa State University, Ames, Iowa 50010, U.S.A.

ISM SPRINGFIELD: Illinois State Museum Herbarium, Spring and Edwards Street, Springfield, Illinois 62706, U.s.A.

itin. itinerary.

J JOHANNESBURG: The Moss Herbarium, University of the Witwatersrand, Department of Botany and Microbiology, 1 Jan Smuts Ave., Johannesburg 2001, (Transvaal), South Africa.

J. Journal (in title abbreviations).

JAC JODHPUR: Herbarium, University of Jodhpur, Department of Botany, Jodhpur, India.

Jackson JACKSON, B.D., *Guide to the literature of botany*, London 1881. TL-2/3217.

Jahrb. Jahrbuch.

Jahresber. Jahresbericht.

Jan January.

J. Bot. *Journal of Botany*, British and foreign, vols. 1-80, 1863-1942.

JE JENA: Herbarium Haussknecht, Sektion Biologie der Friedrich-Schiller-Universität, Jena, German Democratic Republic, DDR.

JEPS BERKELEY: Jepson Herbarium and Library, Deparment of Botany, University of California, Berkeley, California 94720, U.S.A.

JGLE *Journal général de la littérature étrangère* ... Paris, vols. 1-13, 1801-1813, 1814-1841.

JGLF *Journal général de la littérature de France* ... vols. 1-7, 1798-1804; 1805-1841.

JHB *see* Barnhart.

JT *Journal typographique et bibliographique*, 14 volumes, Paris an VI [1797]-1810. Continued under the title *Journal général de l'Imprimerie et de la Librairie* (4 Dec 1810-30 Sep 1811) and subsequently as *Bibliographie de l'Empire français*, later *Bibliographie de la France* (see BF).

Jul July.

Jun June.

JW JANSEN, P. and W.H. WACHTER, Personalia 1-5, Nederlands Kruidkundig Archief(1)49: 437-452. 1939; (2)50: 185-205. 1940; (3)51: 340-379. 1941; (4)52: 371-415. 1942; (5)53: 232-257. 1943.

JYV JYVÄSKYLÄ: Department of Biology, Jyväskylä University, Jyväskylä, Finland.

K KEW: The Herbarium and Library, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, Great Britain.

K. Konglig, kunglig.

Kanitz KANITZ, AUGUST, *Versuch einer Geschichte der ungarischen Botanik*, Linnaea 33: 401-664. 1864/1865. The entries are numbered.

KANU LAWRENCE: Herbarium, University of Kansas, 2045 Ave. A., Campus West, Lawrence, Kansas 66044, U.S.A.

KASSEL KASSEL: Naturkundemuseum im Ottoneum, Kassel, BRD.

KAZ KAZAN: University Herbarium, Kazan, U.S.S.R.

KBG KÖNIGSBERG, now Kaliningrad. Herbarium destroyed.

Keighley KEIGHLEY, England, Borough Museum, Keighley, Great Britain (KGY).

Kelly KRIEGER, L.C.C., *Catalogue of the mycological library of Howard A. Kelly*, Baltimore, privately printed, 1924.

Kent KENT, D.H., *British herbaria*, London 1957.

Kew *Author catalogue of the Royal Botanic Gardens Library*, Kew, England. 5 vols., Boston, Mass., 1974.

Kew List ANON. - A list of the Contributors to the herbarium of the Royal Botanic

Gardens, Kew, brought down to 31th December, 1899. *Bull. Misc. Inf.* Kew 1901: 1-72.

KIEL — KIEL: Botanisches Institut der Universität, Kiel, Federal Republic of Germany, BRD.

k.k. — königlich-kaiserliche (Austrian).

kl. — klockan, indication of time ("o'clock"), Swedish.

Klášterský — KLÁŠTERSKÝ, I., HRABĚTOVA, A., DUDA, J., Botanikové na Ceském a Moravskoslezském území ad nejstarších dob. *Zpr-avy Čs. Společnosti pro Dějiny věd a Techniky* 14-15. 1970.

Kleppa — KLEPPA, P., *Norsk botanisk bibliografi* 1814-1964. Universitetsforlaget Oslo-Bergen, Tromsö 1973.

KM — VRCHLABÍ: Krkonošské Muzeum, Vrchlabí, okr. Trutnov, Czechoslovakia.

KNAW — Library of the Koninklijke Nederlandse Akademie van Wetenschappen, Amsterdam, Netherlands.

kön. — königlich (royal).

kon. — koninklijke (royal).

kongl. — konglig, kunglig (royal).

KR — (as a bibliographical reference) KROK, TH.O.B.N., *Bibliotheca botanica suecana* ab antiquissimis temporibus ad finem anni mcmxviii. Uppsala [1925]. TL-2/3956.

KR — KARLSRUHE: Landessammlungen für Naturkunde, Erbprinzenstrasse 13, Postfach 40-45, 75 Karlsruhe 1, Federal Republic of Germany, BRD.

KRA — KRAKÓW: Herbarium Universitatis Jagellonicae Cracoviensis, ul-Lubicz 46, Kraków, Poland.

KRAM — Kraków: Herbarium of the Botanic Institute of the polish Academy of Sciences, Lubicz 46, Kraków, Poland.

Krebel — KREBEL, R., *Russlands naturhistorische und medizinische Literatur.* Schriften und Abhandlungen in nicht-Russischer Sprache, Jena, 1847.

Kremp. — *see* Krempelh.

Krempelh. — KREMPELHUBER, A. VON, *Geschichte und Litteratur der Lichenologie von den ältesten Zeiten bis zum Schlusse des Jahres 1865 (1870),* München, 3 vols., 1867-1872. TL-2/3932.

krypt. — kryptogamen.

KSC — MANHATTAN: Herbarium, Bushnell Hall, Division of Biology, Kansas State University, Manhattan, Kansas 66506, U.S.A.

KSO — KELSO: Herbarium of the Tweedside Physical & Antiquarian Society Museum, Kelso, Great Britain.

KU — LAWRENCE: KANSAS: Department of Special Collections, Kenneth Spencer Research Libray, University of Kansas.

KVA — STOCKHOLM: Library Kungl. Vetenskapsakademien, S 104.05. Sweden.

KW — KIEW: The Kholodniy Institute of Botany of the Academy of Sciences of the Ukrainian SSR, Repin Street 2, Kew 252601, U.S.S.R.

KYO — KYOTO: Department of Botany, Faculty of Science, Kyoto University, Kyoto 606, Japan.

L — LEIDEN: Rijksherbarium, Schelpenkade 6, Leiden, Netherlands.

LA — LOS ANGELES: Botanical Gardens – Herbarium, Department of Botany, University of California, Los Angeles, California 90024, U.S.A.

lab. — laboratoire, laboratory.

LAH — LAHORE: Paniab University, Pakistan.

LAM — LOS ANGELES: Los Angeles County Museum of Natural History, 900 Exposition Blvd., Los Angeles, California 90007, U.S.A.

LANGMAN — LANGMAN, I.K., *A selected guide to the literature on the flowering plants of Mexico.* Philadelphia 1964.

LASCA — ARCADIA: Herbarium of the Los Angeles State and County Arboretum, 301 North Baldwin Avenue, Box 688, Arcadia, California 91006, U.S.A.

Lasègue — LASÈGUE, A., *Musée botanique de M. Benjamin Delessert,* Paris 1845, facs. reprint. 3301 Lehre, J. Cramer, 1970 (intr. F.A. Stafleu).

LAU — LAUSANNE: Herbier du Musée botanique cantonal, Lausanne, Switzerland.

Laubm. — Laubmoose (musci).

LC — The Library of Congress, Washington, D.C., U.S.A.

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| LCN | LINCOLN: City and County Museum, Lincoln, Great Britain. |
| LCU | WASHINGTON: The Catholic University of America, Michigan Ave. N.E., Washington, D.C. 20017, U.S.A. |
| LD | LUND: Herbarium of the Botanical Museum, Lund, Sweden. |
| LDS | LEEDS: Plant Sciences Department, The University, Baines Wing, Lees LS2 9JT, Yorkshire, Great Britain. |
| LE | LENINGRAD: Herbarium of the Department of Higher Plants, V.L. Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R., 197022, Prof. Popov Street 2, Leningrad, P-22, U.S.S.R. |
| Leberm. | Lebermoose (hepaticae). |
| LEI | LEICESTER: Leicester Literary & Philosophical Society, Leicester, Great Britain. |
| Lenley | LENLEY, S. et al., *Catalog of the manuscript and archival collections and index to the correspondence of John Torrey. Library of the New York Botanical Garden,* Boston, Mass., 1973. |
| Lepidopt. | Lepidoptera. |
| Lever, J.L. | Private library J.L. Lever, Department of Zoology, Free University of Amsterdam, The Netherlands. |
| lf. | leaf. |
| LG | LIÈGE: Département et Jardin Botanique de l'Université, Sart Tilman, B-4000 Liège, Belgium. |
| l.h.q.s. | *see* h.l.q.s. |
| l.h.s. | loco horaque solitis. |
| LI | LINZ: Botanische Abteilung am Oberösterreichischen Landesmuseum, Museumstrasse 14, A-4010 Linz, Austria. |
| libr. | library. |
| lich. | lichenes. |
| lich. | lichenes, lichens. |
| Lief. | Lieferung (livraison, fascicle, instalment). |
| LIL | TUCUMAN: Fundación e Instituto Miguel Lillo, Calle Miguel Lillo 205, San Miguel de Tucumán, Argentina. |
| LILLE | LILLE: Fédération Universitaire et Polytechnique (Association d'École Supérieures et de Facultés Catholiques), 60 Boulevard Vauban, 59046 Lille Cédex, France. |
| LINN | LONDON: The Linnean Society of London, Burlington House, Piccadilly, W. 1 London, Great Britain. |
| Linn. | Linnaeus, Linnaean. |
| Linnaea | *Linnaea*, Ein Journal für die Botanik in ihrem ganzen Umfange. vols. 1-43, 1826-1882 (see under Schlechtendal, D.F.L.), TL-2/10.744. |
| Lipschitz | LIPSCHITZ, S., *Botanicorum rossicorum lexicon biographo-bibliographicum,* Moskva 1947-1952, 4 vols. |
| LISC | LISBOA: Centre de Botânica da Junta de Investigaões Cientificas do Ultramar, Rua Jau 54, Lisboa, Portugal. |
| LISE | OEIRAS: Estação Agronómica nacional, Oeiras, Portugal. (Formerly at Sacavem). |
| LISI | LISBOA: Instituto Superior de Agronómia, Tapada da Ajuda, Lisboa-3, Portugal. |
| LISJC | LISBOA-BELEM: Jardim e Museu Agrícola do Ultramar, Calada do Galvão-Belém, Lisboa, Portugal. |
| LISM | LISBOA: Missão de Estudos Agronómicos do Ultramar, Lisboa, Portugal. |
| LISU | LISBOA: Museu, Laboratório e Jardim Botânico (Institute of Botany), Faculty of Sciences, Lisboa-2, Portugal. |
| lit. | literature. |
| Lit. Ber. | *Literaturberichte zur Flora* oder Allgemeinen botanischen Zeitung. Regensburg, vols. 1-12, 1831-1842. |
| liths. | lithographs. |
| LIV | LIVERPOOL: Merseyside County Museum (lately City of Liverpool Museums), (LIV), William Brown Street, Liverpool L3 8EN, Great Britain. |
| livr. | Livraison (fascicle, instalment). |
| LIVU | LIVERPOOL: The Hartley Botanical Laboratories, Liverpool 3, Great Britain. |

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| LL | RENNER: Lundell herbarium, Renner, Texas 75079, U.S.A. – Deposited at TEX. |
| L.L.B. | Legum baccalaureus, bachelor of laws. |
| L.L.D. | legum doctor, doctor of laws. |
| LL.D. | Litteris doctor. |
| LLO | CINCINNATI: Lloyd Library and Museum, 309 West Court St., Cincinnati, Ohio 45221, U.S.A. |
| Löve | Private library Askell Löve, San José, Cal., U.S.A. |
| LP | LA PLATA: Facultad de Ciencias Naturales y Museo, Division Plantas Vasculares, Universidad nacional de La Plata, La Plata, Bs. As., Argentina. |
| LPS | LA PLATA: Instituto de Botánica C. Spegazzini, Calle 53, No. 477, la Plata, Bs. As., Argentina. |
| LS | LINDAU, G. et P. SYDOW, *Thesaurus literaturae mycologicae et lichenologicae*, 2 volumes, Leipzig. 1908-1909. |
| LSR | LEICESTER: City Museum and Art Gallery, Leicester, Great Britain. |
| LS suppl. | LINDAU, G. & G. SYDOW, *Thesaurus literaturae mycologicae et lichenologicae*, R. CIFERRI, *Supplementum 1911-1930*. 4 vols. Papia, Cortina 1957-1960 |
| LTN | LUTON: Public Museum and Art Gallery, Luton, Great Britain. |
| LTR | LEICESTER: University of Leicester, Leicester LE1 7RH, Great Britain. |
| LU | CANTON: Herbarium of the Lingnan University, Canton. – *See* IBSC. |
| L-UB | LEIDEN, Library of the Rijksuniversiteit Leiden. |
| LUCCA | LUCCA: Orto Botanico, Via del Giardino Botanico, Lucca, Italy. |
| LUX | LUXEMBOURG: Musée d'Histoire Naturelle, Luxembourg, Luxembourg. |
| LV | LEUVEN: Laboratorium voor beschrijvende plantkunde, Carnoy Instituut, Rijschoolstraat 9, B-3000 Leuven, Belgium. (Formerly under Louvain). |
| lvs. | leaves. |
| LY | LYON: Herbiers de l'Université de Lyon, Département de Biologie Végétale, 43 Bd. du 11 Novembre, F-69621 Villeurbanne, France. |
| LZ | LEIPZIG: Herbarium, Botanisches Institut der Karl-Marx-Universität, Leipzig, DDR. |
| M | MÜNCHEN: Botanische Staatssammlung, Menzingerstrasse 67, D-8, München 19, Federal Republic of Germany, BRD. |
| m., mens. | mensis (month). |
| MA | MADRID: Instituto "Antonio José Cavanilles", Jardin Botánico, Plaza de Murillo 2, Madrid 14, Spain. |
| McVaugh | Private library of R. Vaugh, Chapel Hill, N.C., U.S.A. |
| Mägdefrau, K. | Private library K. Mägdefrau, München, BRD. |
| MAF | MADRID: Herbario del Laboratorio de Botánica de la Faculdad de Farmacia, Ciudad Universitaria, Madrid 3, Spain. |
| Mag. | Magazin(3), also Magyar. |
| Magnin | MAGNIN: ANT. – *Prodrome d'une histoire des botanistes Lyonnais*, a series of papers in the *Bull. Soc. bot. Lyon* (TL-2/5229):<br>première partie 31: 1-72. 1906.<br>deuxième partie: 32: 1-68. 1907.<br>additions et corrections 32: 103-141. 1907.<br>additions et corrections 2° série 35: 13-80. 1910. |
| Mai | May. |
| MAINE | ORONO: University of Maine Herbarium, Department of Botany and Plant Pathology, University of Maine, Orono, Maine 04473, U.S.A. |
| Maiwald | MAIWALD, V., *Geschichte der Botanik in Böhmen*, Wien, Leipzig 1904. – TL-2/5277. |
| MAK | TOKYO: Makino Herbarium. Faculty of Science, Tokyo Metropolitan University, Fukazawa, Setagaya, Tokyo 158, Japan. |
| Man. | Manual. |
| MANCH | MANCHESTER: The Manchester Museum, The University, Manchester 13, Great Britain. |
| Mar | March. |
| MARS | MARSEILLE: Laboratoire de Botanique, Faculté des Sciences, Place Victor Hugo, 13-Marseille (3e), France. |

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| MARY | College Park: Herbarium, Dept. of Botany, University of Maryland, College Park, Maryland 20742, U.S.A. |
| MASS | Amherst: Herbarium of the University of Massachusetts, Department of Botany, Amherst, Massachusetts 01002, U.S.A. |
| Mass. | Massachusetts, U.S.A. |
| mat. | materia, material. |
| max. | in "fol. max." large folio. |
| MB | Marburg: Fachbereich der Philipps-Universität, Botanik, Lahnberge, D-355 Marburg (Lahn), Federal Republic of Germany, BRD. |
| M.B.E. | Member of the Order of the British Empire. |
| MCZ | Museum of comparative zoology. Cambridge, Mass., U.S.A. |
| MD | Margadant, Willem Daniël, *Early bryological literature.* A descriptive bibliography of selected publications treating Musci during the first decades of the nineteenth century and especially of the years 1825, 1826 and 1827. Pittsburgh Pa./Utrecht, 1968. |
| M.D. | Medicinae Doctor. |
| ME | Meisel, Max - *A bibliography of American Natural History.* New York and London, 3 vols., 1967 (reprinted from the original edition of 1924-1929). – TL-2/5802. |
| med. | medio (in the middle of the year); in journal or book titles: medical, medicine. |
| Medd. | Meddelande(n). |
| Meded. | Mededeling(en). |
| MEL | Melbourne: National Herbarium of Victoria, Royal Botanic Gardens, South Yarra, Melbourne, Victoria 3141, Australia. |
| Mem. | Memoirs, memorias, memorie. |
| Mém. | Mémoires. |
| mens. | *see* m. |
| Mess. | Messidor, 19 or 20 Jun-18 or 19 Jul (French revolutionary calendar). |
| MEX | Mexico: Instituto de Biologia, Universidad Nacional Autónoma de México, Ap. Postal 70-268, México 20, D.F., México. |
| MG | Belem: Museum Paraense Emilio Goeldi, Caixa Postal 399, Belém, Para, Brazil. |
| MH | Coimbatore: Southern Circle, Botanical Survey of India, Coimbatore, India. – *See* CAL. |
| MI | Milano: Institute of Plant Sciences of the University, Via Giuseppe Colombo 60, Milano, Italy. |
| MICH | Ann Arbor: Herbarium of the University of Michigan, North University Building, Ann Arbor, Michigan 48104, U.S.A. |
| micro. | microscopic(al). |
| MIN | Saint Paul: Herbarium of the University of Minnesota, Department of Botany, University of Minnesota, 220 Biological Sciences Center, Saint Paul, Minnesota 55101, U.S.A. |
| MIPV | Milano: Istituto Patologia Vegetale dell'Università, Via Celoria 2, 20133 Milano, Italy. |
| Misc. | Miscellanea. |
| Mitt. | Mitteilung(en). |
| MO | Saint Louis: Herbarium of the Missouri Botanical Garden, 2315 Tower Grove Avenue, Saint Louis, Missouri 63110, U.S.A. |
| MOD | Modena: Istituto Botanico dell'Università, Modena, Italy. |
| Moebius | Moebius, M., *Geschichte der Botanik,* Von den ersten Anfängen bis zur Gegenwart, Stuttgart 1937, ed. 2, unchanged, ib. 1968, viii, 458 p. – TL-2/6149. |
| Monocot. | Monocotyledones. |
| Monogr. | Monograph. |
| MONT | Bozeman: Herbarium, Dept. of Biology, Montana State University, Bozeman, Montana 59715, U.S.A. |
| MONTU | Missoula: Herbarium, Department of Botany, University of Montana, Missoula, Montana 59801, U.S.A. |
| Morren | Morren, C.J.É., *Correspondance botanique,* ed. 2, Oct 1874, ed. 10, Jul 1884. – See TL-2/6345. |

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| MO-Steere | W.C. Steere bryological library at the Missouri botanical Garden, St. Louis, Mo., U.S.A. – Books in this library were referred to in volumes 1 and 2 as being in "Steere". The Steere library was acquired by MO in 1979. |
| MPA | MONTPELLIER: École Nationale Supérieure Agronomique (Botanique et Pathologie Végétale), 34 Montpellier (Hérault), France. |
| MPU | MONTPELLIER: Institut de Botanique, Université de Montpellier, 5 Rue Auguste Broussonet, Montpellier (Hérault), France. |
| MS | MESSINA: Istituto ed Orto Botanico, Piazza XX Settembre, Messina, Italy. |
| MSC | EAST LANSING: Michigan State University Herbarium, Department of Botany and Plant Pathology, Michigan State University, East Lansing, Michigan 48823, U.S.A. |
| mss | manuscripts. |
| MSTR | MÜNSTER: Landesmuseum für Naturkunde, Himmelreich-Allee 50, 44 Münster, Westfalen, Federal Republic of Germany, BRD. |
| MT | MONTREAL: Herbier Marie-Victorin, Institut Botanique, Université de Montréal, 4101 Est, Rue Sherbrooke, Montréal 36, Canada H1X 2B2. |
| MTJB | MONTREAL: Jardin Botanique de Montréal, 4101 Est, Rue Sherbrooke, Montréal H1X 2B2, Canada. |
| MU | OXFORD: Miami University Herbarium (Willard Sherman Turrell Herbarium), Department of Botany, Miami University, Oxford, Ohio 45056, U.S.A. |
| Mus. | Museum. |
| musc. | musci, muscorum. |
| MVDA | MONTEVIDEO: Directión de Agronomía, Ministerio de Ganaderia y Agricultura, Calle Uruguay, Montevideo, Uruguay. |
| MVM | MONTEVIDEO: Museo Nacional de Historia Natural, Casilla de Correo 399, Montevideo, Uruguay. |
| MW | MERRILL, ELMER D. and EGBERT H. WALKER, *A bibliography of Eastern Asiatic botany*. Jamaica Plain, Massachusetts, U.S.A. 1938. – *Supplement 1*, by Egbert H. Walker, Washington 1960. – TL-2/5871. |
| MW | (designating a herbarium) Moscow: The Herbarium of the Department of Botany of the Lomonosov State University of Moscow, U.S.S.R. |
| mycol. | mycological. |
| Mycologia | *Mycologia* (Official organ of the mycological society of America), Lancaster, Pennsylvania 1-x, 1909-x. – *Mycologia index* volumes 1-58, 1909-1966, New York 1968. |
| N. | North, northern. |
| NA | WASHINGTON: Herbarium, United States National Arboretum, Washington, D.C. 20002, U.S.A. |
| Nac. | Nacional. |
| Nachr. | Nachrichten. |
| Nachtr. | Nachträge. |
| NAF | *North American Flora*, see Britton, N.L., TL-2/781. |
| NAM | NAMUR: Facultés Universitaires Notre-Dame de la Paix, 61 Rue de Bruxelles, B-5000 Namur, Belgium. |
| NAP | NAPOLI: Istituto Botanico della Università di Napoli, Via Foria 223, Napoli, Italy. |
| NAT | NEWTON-ABBOTT: Seale-Hayne Agricultural College, Newton Abbott, Great Britain. |
| Nat. | Nature, natural, naturelle. |
| Natl. | National. |
| Nat. Nov. | *Naturae novitates*. Bibliographie neuer Erscheinungen aller Länder auf dem Gebiete der Naturgeschichte und der exacten Wissenschaften. Herausgegeben von R. Friedländer & Sohn in Berlin, volumes i-x, 1879-x. |
| Nature | *Nature*, a weekly illustrated journal of science, London. Vol. 1-x, 1869/70-x. |
| naturf. | naturforschend. |
| Naturw. | Naturwissenschaften. |
| naturw. | naturwissenschaftlich. |
| Natuurw. | Natuurwetenschappen. |
| NBF | *Nouvelle biographie française*. |

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| NBG | CAPE TOWN: Compton Herbarium, National Botanic Gardens of South Africa, Kirstenbosch, Newlands 7725, Cape Town, South Africa. |
| NBV | LEIDEN: Koninklijke Nederlandse Botanische Vereniging (Royal Botanical Society of the Netherlands), c/o Rijksherbarium, Leiden, Netherlands. |
| NCAB | *National Cyclopaedia of American Biography,* ed. A.R. Spofford et al., New York 1898-1948. |
| NCU | CHAPEL HILL: University of North Carolina Herbarium, Dept. of Botany, Chapel Hill, North Carolina 27514, U.S.A. |
| NCY | NANCY: Herbier de l'Institut Botanique de la Faculté de Sciences, Nancy, France. |
| ND | NOTRE DAME: The J.A. Nieuwland Herbarium, University of Notre Dame, Notre Dame, Indiana 46556, U.S.A. |
| n.d. | not dated. |
| NDA | FARGO: North Dakota State University Herbarium, Botany Dept., Fargo, North Dakota 58102, U.S.A. |
| NDB | *Neue deutsche Biographie,* Berlin, volumes i-x, 1953-x. |
| NDG | NOTRE DAME: The E.L. Greene Herbarium, University of Notre Dame, Notre Dame, Indiana 46556, U.S.A. |
| NEB | LINCOLN: Division of Botany, University of Nebraska State Museum, W 532 Nebraska Hill., Lincoln, Nebraska 68508, U.S.A. |
| NEBC | CAMBRIDGE: The New England Botanical CLub Herbarium (Vascular Plants), 22 Divinity Avenue, Cambridge, Massachusetts 021338, U.S.A. |
| necrol. | necrology. |
| Ned. | *see* Nederl. |
| Nederl. | Nederland, Nederlands. |
| NEU | NEUCHÂTEL: Université de Neuchâtel, Institut de Botanique, Neuchâtel, Switzerland. |
| NF | NANKING: The Herbarium, College of Agriculture and Forestry, University of Nanking, Nanking, Kiangsu, China. |
| NH | DURBAN: Botanical Research Unit, Natal Herbarium, Botanic Gardens Road, Durban, South Africa. |
| NHES | NEW HAVEN: New Haven Agricultural Experiment Station, New Haven, Connecticut 06505, U.S.A. |
| NI | NISSEN, CLAUS, *Die botanische Buchillustration, ihre Geschichte und Bibliographie.* Zweite Auflage, durchgesehener und verbesserter Abdruck der zweibändigen Erstauflage ergänzt durch ein Supplement, Stuttgart 1966. |
| NICE | NICE: Herbier du Muséum d'Histoire Naturelle, Nice, France. |
| NICK | *see* Nickles. |
| Nickles | NICKLES, JOHN M., Geological literature on North America 1785-1918. *Bull. U.S. geol. Surv.* 746, 747. 1926. |
| Nicolson | Private library of D.H. Nicolson, Washington, D.C., U.S.A. |
| Nijmegen | NIJMEGEN: Library of the Botany Department of the Catholic University of Nijmegen, the Netherlands. |
| Niv. | Nivôse, 21 or 22 Dec-19 or 20 Jan (French revolutionary calendar). |
| NJ | NJALA: Njala University College, Department of Biological Sciences, University of Sierra Leone, Private Mail Bag, Freetown, Sierra Leone, West Africa. |
| NMC | LAS CRUCES: Herbarium, Biology Department, New Mexico State University, Las Cruces, New Mexico 88003, U.S.A. (formerly State College). |
| NMW | CARDIFF: Department of Botany, National Museum of Wales, Cardiff CF1/3NP, Wales, Great Britain. |
| N.N. | *see* Nat. Nov. |
| NNBW | *Nieuw Nederlands biografisch woordenboek,* door Molhuysen, Blok en Kossmann, 1911-9137. |
| n:o | numero, number. |
| nom. cons. | nomen conservandum (conserved name). |
| nom. rej. | nomen rejiciendum (rejected name). |
| Nordstedt | NORDSTEDT, C.F.O., *Index Desmidiacearum citationibus locupletissimus atque bibliographia.* Berlin 1896. *Supplementum.* Berlin, 1908. – TL-2/6869. |
| NO | NEW ORLEANS: Tulane University Herbarium, Tulane University, New Orleans, Louisiana 70118, U.S.A. no(s).numéro(s), number(s). |

| | |
|---|---|
| NOT | NOTTINGHAM: Natural History Museum, Wollaton Hall, Wollaton, Nottingham NG8 2AE, Great Britain. |
| nouv. | nouveau, nouvelle. |
| Nov | November. |
| Nov. | Novitates (in Naturae Novitates). |
| nr. | near. |
| n.s. | new style, date in accordance with the Gregorian calendar. |
| NSUB | Niedersächsische Universitätsbibliothek, Göttingen, B.R.D. |
| NSW | SYDNEY: National Herbarium of New South Wales, Royal Botanic Gardens, Sydney, Australia. |
| NT | ALICE SPRINGS: Herbarium of the Northern Territory, Animal Industry and Agriculture Branch, Department of the Northern Territory, Alice Springs, N.T. 5750, Australia. |
| NTM | NANTES: Muséum d'Histoire Naturelle de Nantes, Place de la Monnaie, France. |
| NTN | NORTHAMPTON: County Borough Central Museum, Northampton, Great Britain. |
| NU | PIETERMARITZBURG: Botany Department, University of Natal, Pietermaritzburg, South Africa. |
| nuov. | nuovo, nuova. |
| n.v. | non vidi (not seen). |
| NW | *Northwest botanical manuscripts*. Washington State University Library. Pullman, 1976. |
| NY | NEW YORK: Herbarium of The New York Botanical Garden, New York, N.Y., U.S.A. |
| NYBG | NEW YORK: The New York Botanical Garden, Bronx, New York, N.Y., U.S.A. |
| NZGS | *Neue Zeitungen von gelehrten Sachen*. Leipzig 1715-1784. |
| O | OSLO: Botanical Musem, Trondheimsvn. 23B, Oslo 5, Norway. |
| obit. | obituary. |
| OC | OBERLIN: Oberlin College Herbarium, Department of Biology, Kettering, Oberlin College, Oberlin, Ohio 44074, U.S.A. |
| Oct | October. |
| Oct. | Octavo, volume consisting of sheets of paper folded three times or into eight leaves. |
| Oct. (in fours) | Octavo done in half sheets, four leaves per gathering (signature). |
| Octodec. | *see* 18-mo, below. |
| ÖBL | *Österreichisches biographisches Lexicon*. Wien, volumes i-x, 1957-x. |
| ÖBW | *Oesterreichisches botanisches Wochenblatt*, vols. 1-7, 1851-1857. |
| ÖbZ | *Oesterreichische botanische Zeitschrift*, vols. 8-91 (1858-1942 (preceded by ÖbW, 1-7). |
| Oest. | Oesterreich(isch). |
| OKL | NORMAN: Bebb Herbarium, University of Oklahoma, 770 Van Vleet Oval, Norman, Oklahoma 73069, U.S.A. |
| OKLA | STILLWATER: Oklahoma State University Herbarium, Department of Botany and Plant Pathology, Oklahoma State University, Stillwater, Oklahoma 74074, U.S.A. |
| opp. | opposite. |
| Orch. | Orchidaceae, orchids. |
| ord. | ordained, appointment to christian ministry confirment holy orders. |
| ordin. | ordinatus (ordained). |
| ORE | EUGENE: Herbarium of the Museum of Natural History, University of Oregon, Eugene, Oregon 97403, U.S.A. |
| OREB | ÖREBRO: Karolinska Högre Allmänna Läroverket, Orebro, Sweden. |
| orig. | original. |
| orth. cons. | conserved orthography (of *nomen conservandum*). |
| orth. var. | orthographical variant, a spelling (of a generic name) deviating from the orthography as originally published. |
| OS | COLUMBUS: Department of Botany, College of Biological Sciences, Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210, U.S.A. o.s.old style, date in accordance with the Julian calendar. |

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| O.S.B. | Order of Benedict. |
| OSC | CORVALLIS: Herbarium, Dept. of Botany and plant pathology, Oregon State University, Corvallis, Oregon 97331, U.S.A. |
| O.T.C. | Officers Training Corps. |
| Oudemans | OUDEMANS, C.A.J.A., De ontwikkeling onzer kennis aangaande de flora van Nederland. *Ned. kruidk. Arch.* ser. 2. 2: 214-391. 1877, ser. 2. 3: 1-75. 1878, 325-398. 1881. |
| OULU | OULU: Botanical Museum, University of Oulu, SF-90100 Oulu, 10 Finland. |
| OXF | OXFORD: Fielding-Druce Herbarium, Department of Botany, Oxford, Great Britain. |
| P | PARIS: Muséum National d'Histoire Naturelle, Laboratoire de Phanérogamie, 16 Rue Buffon, 75005 Paris, France. |
| p. | page. |
| Pa. | Pennsylvania. |
| PAC | UNIVERSITY PARK: The Herbarium, The Pennsylvania State University, Buckhout Lab., University Park, Pennsylvania 16802, U.S.A. |
| PAD | PADOVA: Istituto Orto Botanico dell'Università, Via Orto Botanico 15, Padova, Italy. |
| pag. | pagination, page(s). |
| PAL | PALERMO: Erbario dell'Istituto Botanico di Palermo, Italy. |
| PAS | PASURUAN: Herbarium of the Java Sugar Experiment Station, Pasuruan, Java, Indonesia. |
| PAV | PAVIA: Botanical institute, The University, P.O. Box 99, 27100 Pavia, Italy. |
| PAW | *Bericht über die zur Bekanntmachung geeigneten Verhandlungen* der Königlichen Preussischen Akademie der Wissenschaft zu Berlin. Berlin, vols. 1-20, 1836-1855. |
| P (Bibl. centr.) | PARIS, Muséum d'Histoire naturelle, Bibliothèque centrale. |
| PC | PARIS: Muséum d'Histoire Naturelle, Laboratoire de Cryptogamie, 12 Rue de Buffon, 75005 Paris, France. |
| P-CO | PARIS:Durand-Cosson coll. – *See* P. |
| PCS | Private library of Paul C. Silva, Berkeley, Calif., U.S.A. |
| PD | AUCKLAND: Auckland Plant Diseases Division, Dept. of Scientific and Industrial Research, Private Bag, Auckland, New Zealand. |
| P-DU | PARIS: Herbier Durand. – *See* P. |
| PE | PEKING: Institute of Botany, Academia Sinica, Peking, China. |
| PENN | PHILADELPHIA: Herbarium of the University of Pennsylvania, Philadelphia, Pennsylvania 19118, U.S.A. |
| Pennell | BARNHART, J.H., in PENNELL, W.T., *The Scrophulariaceae of eastern temperate North America,* Monogr. Acad. Nat. Sci. Philadelphia vol. 1, 1935. |
| PERTH | PERTH: Western Australian Herbarium, Department of Agriculture, Jarrah Road, South Perth, Western Australia 6151. |
| Peterson | GÖTEBORG, Sweden, private library of Bo Peterson. |
| PFC | *Prodrome de la flore corse,* by J. Burnat and J. Briquet, vol. 1-2, Genève 1910-1913. TL-2/767. |
| PH | PHILLIPS, VENIA T., and MAURICE PHILLIPS, *Guide to the manuscript collections in the Academy of Natural Sciences of Philadelphia,* Special publication no. 5, Academy of Natural Sciences of Philadelphia 1963 (in abbreviated bibliographical references); library of this Academy (in citation copies); herbarium of this Academy (in citation of herbaria). |
| PH | PHILADELPHIA: Dept. of Botany, Academy of Natural Sciences, 19th and the Parkway, Philadelphia, Pennsylvania 19103, U.S.A. |
| PHA | LONDON: Pharmaceutical Society of Great Britain, London, Great Britain. |
| P-HA | PARIS: Herbier Haller. – *See* P. |
| Ph.D. | Philosophiae doctor. |
| PHIL | PHILADELPHIA: Department of Biology, Philadelphia College of Pharmacy & Science, 43rd. St. and Kingsessing & Woodland Aves. , Philadelphia. – *See* NA. phil., philos. philosophical. photogr. photographs. phycol. phycological. |
| PI | PISA: Istituto Botanico dell'Università, Via Luca Ghini 5, 56100 Pisa, Italy. |
| PP-JU | PARIS: Herbier Jussieu. – *See* P. |

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| PL | PLZEŇ: Západočeské muzeum Přirodovědecký odbor, Veleslavinova 6, 301 14 Plzeň, Czechoslavakia. |
| *pl.* | plates, planches. |
| pl. | plants (in texts on or references to herbaria). |
| P-LA | PARIS: Lamarck collection. – *See* P. |
| Plesch | *Répertoire bibliographique de la bibliothèque Arpad Plesch.* Mille et un livres botaniques. Arcade, Bruxelles m.cm.lxxiii. |
| Pluv. | Pluviôse, 20 or 21 Jan-18 or 19 Feb (French revolutionary calendar). |
| PLY | PLYMOUTH: Plymouth Institution, Plymouth, Great Britain. |
| PNH | MANILLA: Philippine National Herbarium, National Museum, Manilla, Philippines. |
| PO | POGGENDORF, JOHANN CHRISTIAN – *Biographisch-literarisches Handwörterbuch* zur Geschichte der exacten Wissenschaften. Leipzig 2 volumes 1863, vol. 3 (1858-1883) 1898, vol. 4 (1883-1903) 1905, vol. 5(1904-1922) 1926, vol. 6 (1926-1931) 1936-1940. |
| POM | CLAREMONT: Herbarium of Pomona College, Dept. of Botany, Claremont, California 91711, U.S.A. |
| Port. | Portuguese. |
| portr. | portrait. |
| postscr. | postscriptum. |
| p.p. | pro parte. |
| PR | PRITZEL, G.A., *Thesaurus literaturae botanicae*, ed. 2. Leipzig 1872-1877. *Facsimile edition* Milano 1950. |
| PR | (when referring to a herbarium) PRAHA: Herbarium of the Botanical Department of the National Museum, Praha, Czechoslovakia. |
| Pr. | Preussen (in "i. Pr."). |
| Prairial | Prairial, 20 or 21 Mai- 18 or 19 Jun (French revolutionary calendar). |
| PRC | PRAHA: Universitatis Carolinae facultatis scientia naturalis cathedra (Institutum botanicum Universitatis Carolinae), Benátská 2, Praha 2, Czechoslovakia. |
| PRE | PRETORIA: Botanical Research Institute, National Herbarium, 2 Cussonia Avenue, Botanical Garden, Pretoria, South Africa (Mail address: Private Bag X101, Pretoria, 0001). |
| PR ed. 1 | PRITZEL, G.A., *Thesaurus literaturae botanicae* omnium gentium inde a rerum botanicarum initiis ad nostra usque tempora, quindecim, millia operum recensens. Leipzig 1851. |
| pref. | preface. |
| PREM | PRETORIA: Plant Protection Research Institute, Private Bag X 134, Pretoria, South Africa 0001. |
| pres. | presented. |
| prev. | previously. |
| prid. | pridie (on the day before). |
| prim. | primo (at first, early). |
| priv., privil. | privilegium (the sole right of printing). |
| prob. | probably. |
| Proc. | Proceedings. |
| Prodr. | Prodromus, prodrome. |
| Progr. | Program(m). |
| PRU | PRETORIA: Department of General Botany, University of Pretoria, South Africa. |
| PTH | PERTH: City Art Gallery & Museum, Perth, Great Britain. |
| Publ. | Publication, published. |
| PUR | LAFAYETTE: Arthur Herbarium, Department of Botany and Plant Pathology, Purdue University, West Lafayette, Indiana 47907, U.S.A. |
| PV | *Procès-verbaux des séances de l'Académie* [des Sciences, Paris] tenues depuis la fondation de l'Institut [1795] jusqu'au mois d'août 1835, 10 vols., Hendaye, 1910-1921 (sometimes also as "Acad."). |
| p.v.t.f.m. | på vanlig tid före middagen (at the customary hour in the morning, (Swedish)). |
| P&W | PEDDIE, ROBERT ALEXANDER and WADDINGTON, QUINTIN, *The English catalogue* |

*of books* (including the original "London" Catalogue) giving in one alphabet, under author, title and subject, the size, price, month and year of publication, and publisher of books issued in the United Kingdom of Great Britain and Ireland 1801-1836. *London 1914.*

*Note:* The dates of publication given by P&W are based on contemporary trade catalogues (*Monthly Epitome, Monthly Literary Advertiser, The Literary Gazette)* as well as on the various editions of *The London Catalogue.* In the absence of evidence to the contrary, the dates of publication given by P&W can be accepted.

QK — KINGSTON: Fowler Herbarium, Queen's University, Kingston, Ontario, Canada.

QMP — QUEBEC: Musée du Quebec – incorporated in QUE (*see* abbr. in vol. 1).

Qu. — Quarto, volume consisting of sheets of paper fold twice or into four leaves.

Qu. (in twos) — A quarto done in half sheets, two leaves per gathering (signature).

Quadrim. — Quadrimester (period of four months).

Quart. — Quarterly.

Quenstedt — QUENSTEDT: W. et A., K. LAMBRECHT, *Fossilium catalogus* 1: animalia, pars 72: palaeontologi. 's-Gravenhage 1938.

q.v. — quid vide (which see).

r. — reale.

R — RIO DE JANEIRO: Divisão de Botânica do Museu Nacional, quinta da Boâ Vista, Rio de Janeiro, Brazil.

RAB — RABAT: Institut Scientifique Chérifien, Laboratoire de Taxonomie et Ecologie des Végétaux Supérieurs, Avenue Moulay Chérif, Rabat, Morocco.

Rapp. — Rapport.

Ratzeburg — RATZEBURG, J.T.C., *Forstwissenschaftliches Schriftsteller Lexikon,* Berlin 1874.

RAW — RAWALPINDI: Stewart Herbarium, Gordon College, Rawalpindi, Pakistan.

RB — RIO DE JANEIRO: Jardin Botânico do Rio de Janeiro, Rua Jardim Botânico 1008, 20000 Rio de Janeiro, ZC-20 GB Brazil.

rd. — received.

Rec. — Recommendation (in *International Code of Botanical Nomenclature),* for full reference see ICBN – In journal titles: Recueil, Record.

*Ref.* — References. Paragraphs so headed contain not only references to works quoted in preceding paragraphs but also general commentaries and critical reviews of further interest.

REG — REGENSBURG, B.R.D., University library, Library Regensburger Botanische Gesellschaft and University herbarium.

reg. — register, registration.

Regensburg — *Regensburgische botanische Gesellschaft;* books received by the society are listed with dates of receipt by *Flora.*

Regensburg — "rd. Regensburg" stands for rd. *Flora.*

Regn. veg. — *Regnum vegetabile,* a series of publications for plant taxonomists, Utrecht 1-x, 1953-x.

Rehder — REHDER, A., *The Bradley bibliography.* A guide to the literature of the woody plants of the world published before the beginning of the twentieth century. Cambridge (Mass.), 5 vols., 1911-1918.

REN — RENNES: Laboratoire de la Faculté des Sciences, Avenue du Général Leclerc, 35 Rennes, France.

RENO — RENO: Herbarium, Department of Biology, University of Nevada, Reno, Nevada 89507, U.S.A.

Rep. — Report(s).

Repert. — Repertorium.

repr. — reprint(ed).

resp. — respondens, the defender of a dissertation of which he is not the author.

Rev. — Review, revue, revista.

rev. — review(ed).

RFA — RIO DE JANEIRO: Herbário da Faculdade nacional de Farmácia da Universidade do Brasil, Rio de Janeiro, Brazil.

Rhodora — *Rhodora,* journal of the New England Botanical Club, Lancaster, Pa., 1-x, 1889-x. – *Index to volumes 1-50* by E. Rouleau, 1953, cited as Rhodora, index.

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| R.H.S. | *The Royal Horticultural Society,* London United Kingdom, Lindley Library. |
| RI | RICHTER, H.F.E., *Caroli Linnaei Systema, Genera, Species plantarum uno volumine* (Codex botanicus Linnaeus). Leipzig 1835-1840 (source for dates of Linnean works). – TL-2/9183. |
| RIG | RIGA: Department of Botany, Latvian State University, Latvian SSR, Fr. Gaila Street 10, 226200 Riga, U.S.S.R. |
| RM | LARAMIE: Rocky Mountain Herbarium, University of Wyoming, Laramie, Wyoming 82071, U.S.A. |
| RNG | READING: Plant Science Laboratories, The University, Whiteknights, Reading RG6 2AS, Great Britain. |
| RO | ROMA: Istituto Botanico della Università, Città Universitaria, 00100 Roma, Italy. |
| Roon | ROON, A.D. DE, *International directory of specialists in plant taxonomy,* with a census of their current interests. Utrecht, the Netherlands, 1958. Regnum vegetabile vol. 13. |
| ROPV | ROMA: Stazione di Patologia Vegetale, Via Casal de'Pazzi, 250, 00156 Roma, Italy. |
| ROST | ROSTOCK: Sektion Biologie der Universität, Doberaner Str. 143, 25 Rostock, German Democratic Republic, DDR. |
| roy. | royal. |
| RPPR | RIO PIEDRAS: Institute of Tropical Forestry, P.O. Box AQ, Rio Piedras, Puerto Rico 00928, U.S.A. |
| RS | RICKETT, HAROLD W. and FRANS A. STAFLEU, Nomina generica conservanda et rejicienda spermatophytorum. Bibliography. *Taxon* 10: 70-91, 111-121, 132-149, 170-177. 1961. |
| RSA | CLAREMONT: Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, U.S.A. |
| RTE | REIGATE: Holmesdale Natural History Club Museum, Reigate, Great Britain. |
| RUEB | ZÜRICH: Geobotanisches Institute der E.T.H., Stiftung Rübel, Zürichbergstrasse 38, CH-68044, Zürich, Switzerland. |
| RUT | NEW BRUNSWICK: Douglass College, New Brunswick, New Jersey 08903, U.S.A. |
| RUTPP | NEW BRUNSWICK: Rutgers University, Plant Pathology Dept., New Brunswick, New Jersey 089903, U.S.A. |
| RV | ROSTOV ON DON: Herbarium of the Department of Botany of the Molotov State University of Rostov, Engels Street 115, Rostov on Don, U.S.S.R. |
| RYD | RYDE: Isle of Wight Philosophical & Scientific Society, Ryde, Great Britain. |
| S | STOCKHOLM: Section for Botany, Swedish Museum of natural History (Naturhistoriska Riksmuseet), S-104 -05 Stockholm 50, Sweden. |
| S. | South(ern). |
| SA 1 | STAFLEU, FRANS A., *Adanson and the "Familles des plantes", in* G.H.M. Lawrence [editor], *Adanson,* the bicentennial of Michel Adanson's "Familles des plantes". Part one, Pittsburgh 1963. |
| SA 2 | STAFLEU, FRANS A., *Adanson's sources, references and abbreviations, in* G.H.M. Lawrence, [editor], *Adanson,* the bicentennial of Michel Adanson's "Familles des plantes". Part two, Pittsburgh 1964. |
| Saccardo | SACCARDO, PIER' ANDREA, *La botánica in Italia.* 2 volumes, Venezia 1895-1901 (Memorie del reale Istituto veneto di Scienze, Lettere ed Arti, vol. 25(4), 26(6)); Cronologia della flora italiana, Padova 1909. |
| SACT | SACRAMENTO: Herbarium, Department of biological Sciences, California State University, Sacramento, California 05819, U.S.A. |
| Saelan | SAELAN, TH., Finlands botaniska litteratur till och med år 1900. *Acta societatis pro fauna et flora fennica* 43: 1-633. 1916. |
| SAM | CAPE TOWN: South Africa Museum Herbarium, National Botanic Gardens of South Africa, Kirstenbosch, Newlands 7725, Cape Town, South Africa. |
| SANT | SANTIAGO DE COMPOSTELLA: Jardin Botanico de Santiago, Plaza de Fonseca, Santiago de Compostela, Spain. |
| SAP | SAPPORO: Laboratory of Plant Taxonomy and Ecology, Botanical Institute, Faculty of Agriculture, Hokkaido University, Sapporo, Japan. |
| SARA | SARAJEVO: Bioloski Institut, Postfach 281, Sarajevo, Yugoslavia. |

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| Sayre | SAYRE, G., *Dates of publications describing musci,* 1801-1821. Troy, New York, U.S.A. Apr 1959. See also "SY". |
| S.B. | Sitzungsberichte. |
| SBC | SAYRE, G., C.E.B. BONNER, and W.L. CULBERSON, The authorities for the epithets of mosses, hepatics, and lichens, *The Bryologist* 67(2): 113-135. 1964. |
| SBT | STOCKHOLM: Bergius Foundation, S-104 05 Stockholm, Sweden. |
| SCH | SCHAFFHAUSEN: Naturhistorisches Museum, Frauengasse, Schaffhausen, Switzerland. |
| SCHN | NORTHAMPTON: Herbarium of Smith College, Clark Science Center, Smith College, Northampton, Massachusetts 01060, U.S.A. |
| Schr. | Schriften. |
| Sci., sci. | Science, scientific. |
| s.d. | sine dato (sans date, without date). |
| SDC | BROOKINGS: Herbarium of South Dakota Sate University, Department of Botany and Biology, Brookings, South Dakota 57006, U.S.A. |
| sec. | secondary. |
| sect. | sectio(n). |
| sem. | semester (period of six months). |
| sen. | senior. |
| Sep | September. |
| sep. | separate (off-print). |
| ser. | series. |
| sero | sero (late). |
| SEV | SEVILLA: Departamento de Botánica, Facultad de Ciencias de la Universidad, Sevilla, Spain. |
| SGE | STALYBRIDGE: The Museum, Stalybridge, Great Britain. |
| SGO | SANTIAGO: Museo Nacional de Historia Natural, Casilla 787, Santiago, Chile. |
| SI | SAN ISIDRO: Instituto de Botánica Darwinion, San Isidro, Prov. Buenos Aires, Argentina. |
| SIA | Smithsonian Institution Archives, Washington, D.C., U.S.A. |
| SIGMA | MONTPELLIER: Station Internationale de Géobotanique Méditerranéenne et Alpine, Rue du Pioch de Boutonnet, Montpellier (Hérault), France. |
| sign. | signature, a letter, numeral or typographical sign identifying (the leaves) of a gathering. |
| SING | SINGAPORE: Herbarium and Library, Botanic Garden, Cluny Road, Singapore 10, Republic of Singapore. |
| Sitzungsber. | Sitzungsberichte. |
| SIU | CARBONDALE: Southern Ilinois Herbarium, Dept. of Botany, Carbondale, Illinois 62901, U.S.A. |
| SK | Reference to a herbarium: SARA: Katedralskolan, Skara, Sweden. |
| SK | STEENIS, C.G.G.J. VAN, *Flora malesiana.*<br>*1: 1-649. 1950. Collections and collectors (by M.J. van Steenis-Kruseman).*<br>*4(2): lxxi-clxi. 1949. Hist. expl. (by H.C.D. de Wit).*<br>*4(5): clxiii-ccxix. 1954. Dates of publication (by M.J. van Steenis-Kruseman).*<br>*5:* ccli-cccxxxvi. 1958. Coll. suppl. (by M.J. van Steenis-Kruseman).<br>8: i-cxv. 1974. Coll. suppl. 2. (by M.J. van Steenis-Kruseman). |
| Skr. | Skrifter. |
| s.l. | sine loco (sans lieu, without indication of place-name). |
| SLBI | LONDON: South London Botanical Institute, 323 Norwood Road, London S.E. 24, Great Britain. |
| s.l.n.d. | Sans lieu ni date (without either place-name or date). |
| SLO | BRATISLAVA: Katedra systematickej botaniky Univerzity Komenského, Herbár, Rénová 53, Bratislava, Czechoslovakia. |
| SM | STAFLEU, FRANS A. - F.A.W. Miquel, Netherlands botanist, *Wentia* 16: 1-95. 1966.<br>The numbers refer to the numbers in the bibliography on p. 49-89. |
| Smit | SMIT, P. – *History of the life sciences.* Amsterdam (Asher) 1974. |
| SMU | DALLAS: Herbarium of Southern Methodist University, Dallas, Texas 75275, U.S.A. |
| SO | SOULSBY, B.H., *A catalogue of the works of Linnaeus (*and publications more |

immediately relating thereto) preserved in the Libraries of the British Museum (Bloomsbury) and the British Museum (Natural History) (South Kensington). Second edition. London 1933. – See also *An index to authors (*other than Linnaeus) *mentioned* in the catalogue of the works of Linnaeus ... London 1936.

SOC — ASHLAND: Department of Biology, Southern Oregon College, Ashland, Oregon 97520, U.S.A.

soc. — société, societas, society.

Sotheby — "Sotheby, Cat. Stiftung Bot." sales catalogue, full title: "*The magnificent botanical library of the Stiftung für Botanik* Vaduz Liechtenstein collected by the late Arpad Plesch. Sold by auction by Sotheby & Co. ..." 3 vols., 1975-1976, London.

This exceptionally well documented and illustrated description of what used to be known as the Plesch Library was compiled by John Collins.

SP — SAO PAULO: Instituto de Botânica, Caixa Postal 4005, São Paulo, Brazil.

S-PA — STOCKHOLM: Section for Palaeobotany, Naturhistoriska Riksmuseet – incorporated in S.

Spermat. — Spermatophyta.

SPH — HILLSBORO: Fox Research Forest, Hillsboro, New Hampshire 03244, U.S.A.

SS — SASSARI, Herbarium of the Istituto Botanico della Facoltà di Scienze Naturali, Sassari, Italy.

ST — STAFLEU, FRANS A., Dates of botanical publications 1788-1792, *Taxon* 12(2): 43-87. 1963.

STA — SAINT ANDREWS: Department of Botany, The University, Saint Andrews, Scotland, Great Britain.

STE — STELLENBOSCH: Government Herbarium, Botanical Research Unit, P.O. Box 471, Stellenbosch 7600, South Africa.

Steere — Private library of William C. Steere, now at MO.

Stevenson — The John Stevenson mycological library of the Smithsonian institution deposited at the National Fungus Collections, Agricultural Research Center, Beltsville, Maryland, U.S.A.

Stevenson — As a bibliographical reference: STEVENSON: J.A., *Index plant diseases U.S.*, Index part. Beltsville, 1953.

STI — STIRLING: Smith Art Gallery and Museum, Albert Place, Stirling, Scotland, Great Britain.

STR — STRASBOURG: Institut de Botanique de l'Université Louis Pasteur, 28 rue Goethe, 67083 Strasbourg Cedex, France.

STR — Strandell Collection of Linnaeana, Hunt Institute of Botanical Documentation, Pittsburgh, U.S.A.

STU — LUDWIGSBURG: Herbarium, Staatliches Museum für Naturkunde Stuttgart, Abteilung für Botanik, Arsenalplatz 3, 714 Ludwigsburg, Federal Rpublic of Germany, BRD.

stud. — studia, studies, studii.

subgen. — subgenus.

subst. — substitute.

suppl. — supplement(um).

Sv. — Svensk(a).

Sw. — Swedish.

SY — SAYRE, G., *Dates of publication describing Musci.* 1801-1821, Troy, New York, U.S.A. Apr 1959.

syll. — sylloge.

symb. — symbolae.

syn. — synopsis.

syst. — systema.

t. — tabula (plate).

tab. — tabula(e) (plate(s)).

tabl. — table, tableau.

tav. — tavola.

Taxon — *Taxon*, journal of the International Association for Plant Taxonomy, Utrecht, Netherlands. vols. 1-x, 1951-x.

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| TB | TBILISI: Herbarium of the Stalin State University of Tbilisi, University Street, Tbilisi, Georgia, U.S.S.R. |
| TBC | *Bulletin of the Torrey botanical Club*. Lancaster, Pennsylvania, vols. 1-x, 1870-x. |
| TBI | TBILISI: Department of Systematics and Plant Geography of the Botanical Institute of the Academy of Sciences of the Georgian S.S.R., Kodjorskoje Highway, Tbilisi, U.S.S.R. |
| TCD | DUBLIN:: School of Botany, Trinity College, Dublin 2, Ireland. |
| techn. | technical. |
| TENN | KNOXVILLE: University of Tennessee Herbarium, Botany Department, University of Tennessee, Knoxville, Tennessee 37916, U.S.A. |
| tent. | tentamen. |
| teut. | teutsch (German). |
| TEX | AUSTIN: University of Texas Herbarium, Austin, Texas 78703, U.S.A. |
| Teyler | Library of Teyler's Stichting, Spaarne, Haarlem, the Netherlands. |
| Therm. | Thermidor, 19 or 20 Jul-17 or 18 Aug (French revolutionary calendar). |
| TI | TOKYO: Department of Botany, Faculty of Science, University of Tokyo, Hongo, Tokyo, Japan. |
| Tidskr. | Tidskrift (Swed.). |
| Tidsskr. | Tidsskrift (Danish). |
| Tijdschr. | Tijdschrift (Dutch). |
| TL | TOULOUSE: Laboratoire de Botanique, Faculté des Sciences, Allées Jules Guesde, Toulouse (Haute Garonne), France. |
| TL-1 | STAFLEU, F.A., *Taxonomic literature*. A selective guide to botanical publications with dates, commentaries and types. Utrecht, Zug 1967. The first edition of the present book. |
| TL-2 | Reference to the present book. |
| TLA | TOULOUSE: Laboratoire de Cryptogamie, Université Paul Sabatier (Sciences), 118 route de Narbonne, 31077 Toulouse Cedex, (Haute Garonne), France. |
| TLJ | TOULOUSE: Jardin Botanique. Toulouse (Haute Garonne), France. |
| TLON | TOULON: Musée d'Histoire Naturelle de la Ville de Toulon, Toulon (Var), France. |
| TNS | TOKYO: National Science Museum, Department of Botany, Hyakunin-cho 3-23-1, Shinjuku-ku, Tokyo, Japan. |
| TO | TORINO: Istituto Botanico dell'Università, Viale Mattioli, 10125 Torino, Italy. |
| TOM | TORINO: Istituto Missioni Consolata, Museo di Storia Naturale, Corso Ferruci 14, 10138 Torino, Italy. |
| TOR | TORQUAY: Torquay Natural History Society, The Museum, Babbacombe Rd., Torquay, Great Britain. |
| t.-p. | title-page. |
| TR | Trautvetter, E.R. – Florae rossicae fontes, *Acta Horti petropolitani* 7: 1-341. |
| TR | Reference to a herbarium: TRENTO: Museo Tridentino di Scienze naturali, Trento, Italy. |
| trans. | transactions. |
| Trautvetter | see TR. |
| transl. | translation, translated by. |
| Trav. | Travaux. |
| TRH | TRONDHEIM: Botanical Department. Museum of the Royal Norwegian Society for Science and Letters, 7000 Trondheim, Norway. |
| trim. | trimester (period of three months, quarter of a year). |
| TROM | TROMSOE: Botanical Department of Tromsoe Museum, Tromsoe, Norway. |
| TRTC | TORONTO: Cryptogamic Herbarium, Department of Botany, University of Toronto, Toronto, Ontario, M5S 1A1, Canada. |
| TRV | PRETORIA: Transvaal Museum. – Incorporated in PRE. |
| TSM | TRIESTE: Museo Civico di Storia Naturale, Piazza Hortis 4, Trieste, Italy. |
| tt. | tabulae (plates). |
| TU | TARTU (Dorpat, Jurjew); Herbarium of the Department of Taxonomy and Geobotany of State University, Michurina 40, Tartu, Estonian SSR, U.S.S.R. |
| TUB | TÜBINGEN: Institut für Biologie I, Lehrbereich spezielle Botanik, Auf der Morgenstelle 1, D-7400 Tübingen, German Federal Republic, BRD. |

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| TUC | TUCSON: University of Arizona, Department of Biological Sciences, Tucson, Arizona 85721, U.S.A. |
| Tucker | TUCKER, E.M., *Catalogue of the library of the Arnold Arboretum of Harvard University.* Cambridge, Mass., 3 vols., 1917-1933. |
| TUR | TURKU: Herbarium of the Department of Botany, University of Turku, SF-20500 Turku 50, Finland. |
| TURA | TURKU: Institute of Biology, Abo Academy, Turku (Abo), Finland. |
| U | UTRECHT: Institute for Systematic Botany, Tweede Transitorium, Heidelberglaan 2, de Uithof, Utrecht, The Netherlands. |
| UBC | VANCOUVER: The University of British Columbia, Vancouver 8, British Columbia, Canada. |
| UC | BERKELEY: Herbarium of the University of California, Department of Botany, University of California, Berkeley, California 94720, U.S.A. |
| UCR | RIVERSIDE: Herbarium, Department of Biology, University of California, Riverside, California 92502, U.S.A. |
| ULU | University Library, State University of Utrecht, The Netherlands. |
| UMO | COLUMBIA: Herbarium, University of Missouri, 201 Tucker Hall, Columbia, Missouri 65201, U.S.A. |
| uncol. | uncolored. |
| Univ. | Universitas, université, university. |
| UPS | UPPSALA: The Herbarium, Institute of Systematic Botany, University of Uppsala, P.O. Box 541, S-751 04 21 Uppsala, Sweden. |
| UPS-UB | UPPSALA, Library of the University of Uppsala (collection of letters by botanists in the I. Dörfler collection). |
| UPSV | UPPSALA: Växtbiologiska Institutionen, Uppsala Universitet, Box 559, S-751 22 Uppsala 1, Sweden. |
| Urban-Berl. | URBAN, I., *Geschichte des Königlichen Botanischen Museums zu Berlin-Dahlem (1815-1913) nebst Aufzählung seiner Sammlungen.* Dresden 1916. |
| US | WASHINGTON: U.S. National Herbarium, Department of Botany, Smithsonian Institution, Washington, D.C. 20560, U.S.A. |
| USDA | Library of the United States Department of Agriculture, Washington, D.C., U.S.A. |
| USGS | United States Geological Survey, Library, Washington, D.C., U.S.A. |
| UT | SALT LAKE CITY: Garrett Herbarium, University of Utah, Salt Lake City, Utah 84112, U.S.A. |
| UTC | LOGAN: Intermountain Herbarium, Botany Department, Utah State University, Logan, Utah 84322, U.S.A. |
| U-UB | UTRECHT, Netherlands, Library of the Rijksuniversiteit Utrecht. |
| v. | vel (or). |
| Vakbl. | Vakblad. |
| VEN | CARACAS: Instituto Botánico, Apartado 2156, Caracas, Venezuela. |
| Vend. | Vendémiaire, 22 or 23 Sep-21 or 22 Oct (French revolutionary calendar). |
| Vent. | Venôse, 19 or 20 Feb-20 or 21 Mar (French revolutionary calendar). |
| VER | VERONA: Museo Civico di Storia Naturale, Sezione di Botanica, Corso Cavour 11, 37100 Verona, Italy. |
| Verh. | Verhandelingen, Verhandlungen. |
| verkl. | verklarend. |
| vern. | vernacular. |
| Verz. | Verzeichniss. |
| vet. | vetenskap. |
| Vetensk. | *see* Vet. |
| vol(s). | volume(s). |
| VPRI | VICTORIA: Plant Research Institute, Department of Agiculture, Swan St., Burnley, Victoria, Australia 3121. |
| VT | BURLINGTON: Pringle Herbarium, University of Vermont, Burlington, Vermont 05401, U.S.A. |
| W | WIEN: Naturhistorisches Museum, Burgring 7, A-104, Wien, Austria. |
| W. | West, western. |
| WA | WARSZAWA: Zaklad Systematyki i Geografii Roslin, Uniwersytetu Warszawskiego, A. Ujazdowskie 4, Warszawa, Poland. |

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| WAG | WAGENINGEN: Laboratory for Plant Taxonomy and Plant Geography, 37, Generaal Foulkesweg, Wageningen, the Netherlands. |
| Wageningen | Library of the Landbouwhogeschool, Wageningen, the Netherlands. |
| Wagenitz, G. | Private library G. Wagenitz, Systematisch-geobotanisches Institut, Universität Göttingen, B.R.D. |
| WAR | WARWICK: The County Museum, Warwick, Great Britain. |
| WB | WÜRZBURG: Botanisches Institut der Universität, Klinikstrasse 5, Würzburg, Federal Republic of Germany, B.R.D. |
| WELC | WELLESLEY: Department of Biological Sciences, Wellesley College, Wellesley, Massachusetts 02181, U.S.A. |
| WELT | WELLINGTON: National Museum, Private Bag, Wellington, New Zealand. |
| WELTU | WELLINGTON: Botany Department, Victoria University of Wellington, Private Bag, Wellington, New Zealand. |
| Westhoff | V. Westhoff, Nijmegen, The Netherlands, private library. |
| Wikström | WIKSTRÖM, JOH. EM., *Conspectus literaturae botanicae* in Suecia ab antiquissimis temporibus usque ad finem anni 1831, notis bibliographicis et biographiis auctorum adjectis. Stockholm 1931. |
| WIN | WINNIPEG: Herbarium of the Department of Botany, University of Manitoba, Winnipeg, Manitoba R3T 2N2, Canada. |
| Windsor | Library at Windsor Castle, England. |
| WIS | MADISON: Herbarium, University of Wisconsin, 245 Birge Hall, 430 Lincoln Drive, Madison 53706, U.S.A. |
| WRSL | WROCKLAW: Instytut Botaniczny, Uniwersytetu Wrocklawkiego, ul. Kanonia 6/8, 50-328 Wrocklaw, Poland (formerly BRSL). |
| WSP | PULLMAN: Mycological Herbarium, Department of Plant Pathology, Washington State University, Pullman, Washington 99163, U.S.A. |
| WTR | WINCHESTER: Winchester College Museum, Winchester, Hampshire, Great Britain. |
| WTU | SEATTLE: Herbarium, Department of Botany, AK-10, University of Washington, Seattle, Washington 98195, U.S.A. |
| WU | WIEN: Botanisches Institut und Botanischer Garten der Universität Wien, Rennweg 14, A-1030 Wien, Austria. |
| WU | WURZBACH, C, VON, *Biographisches Lexikon des Kaiserthums Oesterreich.* Wien, volumes 1-60, 1856-1890 (in bibliographical references). |
| WUD | DETROIT: Biology Department, Wayne State University, Detroit, Michigan 48202, U.S.A. |
| WVA | MORGANTOWN: West Virginia University, Morgantown, West Virginia 26506, U.S.A. |
| W.W.-I | World War I, 1914-1918. |
| W.W.-II | World War II, 1939-1945. |
| YRK | YORK: The Yorkshire Museum, York, Yorkshire, Great Britain. |
| YU | NEW HAVEN: Yale University Herbarium, Osborn Memorial Laboratories, Yale University, New Haven, Connecticut 06520, U.S.A. |
| yv. | YVERT ET TELLIER, *Catalogue de timbres-poste.* Soixante-dix-neuvième année, 3 vols., Paris 1975 (numbers quoted identify postage stamps carrying portraits of botanists. |
| Z | ZÜRICH: Botanischer Garten und Institut für Systematische Botanik der Universität Zürich, 40 Pelikanstrasse, 8001 Zürich, Switzerland (after 1975: Zollikerstr. 105, 8008 Zürich). |
| Z. | Zeitschrift. |
| Zander | ZANDER, *Handwörterbuch der Pflanzennamen.* Neu bearbeitete und erweiterte 10. Auflage von Dr. h.c. Fritz Encke und Dr. Günther Buchheim unter Mitarbeit von Dr. Siemund Seybold. Stuttgart 1972. (refs. under authors A-B are to ed. 9, 1964). Neubearbeitete und erweiterte 11. Auflage, id. Stuttgart 1979.– TL-2/18.591. |
| Zeit. | Zeitung. |
| Zep.-Tim. | ZEPERNICK, B. & F.K. TIMLER, *Grundlagen zur 300-jährigen Geschichte des Berliner Gartens,* Englera 1, Berlin 1979. |
| zool. | zoologisch, zoological. |

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| ZT | Zürich: Herbarium, Institut für Spezielle Botanik, Eidg. Technische Hochschule, Universitätsstrasse 2, CH-8006 Zürich, Switzerland. |
| † | book or serial which remained unfinished. |
| 16-mo | volume consisting of sheets of paper folded four times or into sixteen leaves (32 p. per signature). |
| 18-mo | volume made up of gatherings of 18 leaves (36 pages), often manufactured by combining signatures of 12 and 6 leaves into single binding units. |
| 32-mo | volume consisting of sheets of paper folded five times or into 32 leaves (64 p. per signature). |

**Wachendorff, Evert Jacob van** (1702-1758), Dutch physician and botanist; studied medicine in Leiden and Utrecht; Dr. med. 1724; municipal physician of Utrecht 1726-1758; lecturer in chemistry at the University 1726-1743; professor of medicine, chemistry and botany 1743-1758. (*Wachendorff*).

HERBARIUM and TYPES: Some material in LINN. – Seeds and (or?) dried plants sent to Linnaeus, fide preface Sp. Pl. ed. 2, 1763. – *Letters* in G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 446 (d. 23 Dec 1748, sic err. for 1758); BM 5: 2244; Dryander 3: 105, 192; Herder p. 152; Jackson p. 441; JW 4: 413, 5: 255; NNBW 5: 1083 (b. 2 Nov 1903, d. 22 Dec 1758) (Römer); PR 9889-9890, ed. 1: 10862-10863; Rehder 1: 51; SO 632e; TL-2/931, W.H. de Vriese.

BIOFILE: Adanson, M., Fam. pl. 1: lix-lxiii, 27. 1763.
Anon., Wachendorffia 1(1): 1. 1972 (portr.).
Bisset, N.G. & D. Philcox, Taxon 20: 538-539. 1971 (on Strychnos colubrina).
Burdet, H.M. et al., Ouvr. bot. anc. no. 531. 1985.
Fries, Th.M., Bref Skrifv. Linné 1(4): 208. 1910, 1(6): 87. 1912.
Haller, A. v., Bibl. bot. 2: 366-367. 1772.
Helbergen, G.A.P. van, Wachendorffia 3(4): 41-44. 1975 (on portrait and family).
Hulth, J.M., Bref Skrifv. Linné 2(1): 99, 100. 1916; with A.H. Uggla 2(2): 100, 101, 134, 136. 1943.
J., Dict. sci. méd., Biogr. méd. 7: 454-455. 1825.
Jackson, B.D., Proc. Linn. Soc. 134 (suppl.): 20. 1922 (herb. mat. in LINN).
Kuijlen, J. et al., Paradisus batavus 17, 159, 160. 1983.
Linnaeus, C., Sp. Pl. ed. 2: [vi]. 1762.
Moehsen, J.C.W., Verz. Samml. Bildn. 2: 143. 1771 (mentions a portrait).
Sprengel, K.P.J., Gesch. Bot. 2: 247-248. 1818.
Stafleu, F.A., *in* G.H.M. Lawrence et al., Adanson 1: 161, 164. 1963 (Adanson's discussion of index); Linnaeus and the Linnaeans 45, 166, 171-173, 194. 1971.
Terken-Vos, L., Wachendorffia 5(2): 17-20. 1977 (biogr. not.).
Visser, R.P.W., *in* Essays in Biohistory (Regnum vegetabile 7) 401. 1970.

EPONYMY (journal): *Wachendorffia*, Chronica Horti Botanici Rheno-Trajectini, Utrecht, vol. 1-7. 1972-1981; (genera): *Wachendorfia* J. Burman (1757).

HANDWRITING: Candollea 34: 191-192. 1979.

**16.460.** Everardi Jacobi van Wachendorff *Oratio botanico-medica* de plantis, inmensitatis intellectus divini testibus locupletissimis; publice habita, quam ordinariam medicinae, botanices & chemiae professionem susciperet. Die xxvi. Septemb. [1743]. Trajecti ad Rhenum [Utrecht] (apud Joannem Broedelet, ...) 1743. Qu. (*Orat. bot.-med.*).
*Publ.*: 1743, p. [i, iii], 1-55. *Copy*: U.

**16.461.** *Horti ultrajectini index*, ... Trajecti ad Rhenum [Utrecht] (apud Nicolaum van Vucht, ...) 1747. Oct. (in 4-s). (*Hort. ultraject. index*).
*Publ.*: 1747, p. [i*-xiv*], [i]-xxx, [1-4, expl. nom. auct.], [1, h.t.], 1-394, [1-24 indexes]. *Copies*: B-S, BR, G, M, NY, U(2). – See J. Kuijlen (1983) no. 108 for analytical collation.
*Editio nova*: 1758 fide G.R. Boehmer, Bibl. hist. nat. 3(1): 253. 1787 (n.v.); Boehmer is the only source known to us mentioning this "edition").
*Ref.*: Ehrhart, F., *Beitr. Naturk.* 6: 1-13. 1791 (explanation of W.'s botanical terminology).

**Wachter, Willem Hendrik** (1882-1946), Dutch botanist and high school teacher; studied at the teacher's college of Rotterdam (teacher's exam. 1901); teacher at various schools in Rotterdam 1901-1936; active floristic botanist and bryologist; Dr. h.c. Utrecht 1946. (*Wacht.*).

HERBARIUM and TYPES: L. – Other material AMD, H-BR, U. – *Letters* in G.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(1): 347, 12(3): 476; Backer p. 619; Barnhart 3: 446 (b. 5 Dec 1882, d. 1 Sep 1946); BL 2: 423, 424, 425, 729; Bossert p. 422; Hirsch p. 313; IH 2: 313; JW 1: 452, 2: 203; NI 3: 52, 65; TL-2/2284, 2727, 2733; see S.J. van Ooststroom.

BIOFILE: Anon., Biologia 1(1): [4]. 1947 (d.); Rev. bryol. lichénol. 18(1-2): 85. 1949.
Jacobs, M.J., Herman Johannes Lam (1892-1977): 99, 121, 144. 1984.
Jansen, P., Ned. kruidk. Arch. 56: 52-58. 1949 (obit., portr.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 768. 1985.
Mennema, J., Blumea 25: 117. 1979 (coll.).
Ooststroom, S.J. van, *in* Heukels-van Ooststroom, Fl. Nederl. ed. 14. 5-6. 1956 (biogr. sketch; eds. 13-19).
Sayre, G., Bryologist 80: 519. 1977 (coll.).
Steenis-Kruseman, M.J. van, Blumea 25: 48. 1979.
Touw, A., Blumea 25(1): 94, 97. 1979.
Verdoorn, F., ed., Chron. bot. 1: 367. 1935.
Wachter, W.H., Ned. kruidk. Arch. 55: 12-116, 134-185. 1946 (history Ned. bot. Ver.).

COMPOSITE WORKS: (1) Editor and in part author of H. Heukels, *Geill. Schoolfl. Nederl.* eds. 11-12, 1934, 1942, see TL-2/2727.
(2) Co-author with H. Heukels, but in fact virtually sole author of H. Heukels and W.H. Wachter, *Bekn. Schoolfl. Nederl.* eds. 1-5. 1932-1946, see TL-2/2733.

**16.462.** *Naamlijst der Nederlandse bladmossen* ... Amsterdam (Drukkerij en Uitgeverij J.H. de Bussy) 1928. Oct.
*Publ.*: 30 Apr 1928 (in journal), cover-t.p., p. 76-89. *Copy*: U. – Reprinted and to be cited from Ned. kruidk. Arch. 37(1): 76-89. 1928.

**16.463.** *Bryologiese notities* ... Amsterdam (Drukkerij en Uitgeverij J.H. de Bussy) 1929. Oct.
*Co-author*: Pieter Jansen (1882-1955), see TL-2/2: 424.
[*1*]: 15 Feb 1929, cover-t.p., p. [167]-171. – Reprinted and to be cited from Ned. kruidk. Arch. 38(2): [167]-171. 1929.
*2*: 31 Jul 1935. – Id. 45(1): 151-157. 1935.
*3*: 26 Nov 1938. – Id. 48: 266-277. 1938.
*4*: Dec 1939. – Id. 49: [39]-56. 1939.
*5*: Dec 1939. – Id. 49: [243]-260. 1939.
*6*: Dec 1939. – Id. 49: [409]-415. 1939.
*7*: Dec 1940, cover-t.p., p. [365]-380. 1939. – Id. 50: [365]-380. 1939.
*8*: Dec 1940, cover-t.p., p. [381]-397. 1939. – Id. 50: [381]-397. 1939.
*9*: Dec 1941, cover-t.p., p. [416]-430. 1939. – Id. 51: [416]-430. 1941.
*10*: Dec 1943, cover-t.p., p. [137]-222. – Id. 53: [137]-222. 1943.

**16.464.** *Naamlijst der Nederlandsche Levermossen* ... Amsterdam (N.V. Drukkerij en Uitgeverij J.H. de Bussy) 1932. Oct.
*Publ.*: 4 Apr 1932 (in journal), cover-t.p., p. [528]-532. *Copy*: U. – Reprinted and to be cited from Ned. kruidk. Arch. 41(3): [528]-532. 1932. – See also W.H. Wachter & W. Meijer, *Inleiding tot de Nederlandsche levermosflora*, ib. 58: 110-120. 1951.

**16.465.** *De mossen van Jean Lambert Franquinet* ... Overdruk uit het Natuurhistorisch Maandblad ... Maastricht 1932.
*Publ.*: 28 Oct and 30 Nov 1932 (in journal), cover-t.p., p. 1-9. *Copy*: U. – Reprinted and to be cited from Natuurh. Maandbl. 21(10): 131-136. 28 Oct, 21(11): 138-141. 30 Nov 1932.

**Wacker, Hermann** (x-1899), German (Prussian) high school teacher and botanist in Kulm, later in Berlin. (*Wacker*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 446; Herder p. 189; Jackson p. 303; PR 10667; Rehder 1: 384.

BIOFILE: Anon., Verh. bot. Ver. Brandenburg 41: xlii-xliii, lxxxix (d. 21 Mar 1899). 1900, 51: (86).

**16.466.** Programm der Real-Schule zu Culm, womit zu der Donnerstag, den 1. August 1861 stattfindenden öffentlichen Prüfung der Schüler ... 1) *Uebersicht der Phanerogamenflora von Culm* v. H. Wacker. 2) Schulnachrichten ... no. 31. Culm (Gedruckt bei Wilhelm Theodor Lohde) 1861. Qu. (*Uebers. Phan.-Fl. Culm*).
[*1*]: shortly before 1 Aug 1861, p. [i], [1]-24, school program: 25-36. *Copies*: B, B-S, HH.
[*2*]: shortly before 31 Jul 1862, p. [1]-19, school program: 21-30. *Copies*: B, HH. – Programm der höheren Bürgerschule zu Culm, ... no. 32. Culm (Gedruckt in der Buchdruckerei von Carl Brandt) 1862. Qu.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 19: 302-303. 11 Oct 1861 (rev. no. 1), 20: 427. 5 Dec 1862 (rev. no. 2).

**Waddell, Coslett Herbert** (1858-1919), British clergyman and botanist; studied at Trinity College, Dublin; ordained 1880; rector Saintfield and Grey Abbey (County Down); secretary Moss Exchange Club 1896-1903. (*Waddell*).

HERBARIUM and TYPES: DBN (10.000 bryo.), BEL (phan.); other material in BM(K) (algae), BON, BRISTM, CGE, E, EBH, GALW, K, NMW, OXF. – *Notebooks* at BEL; *letters* in FH, G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 446; BB p. 311; BM 5: 2244; Clokie p. 260; CSP 19: 423-424; Desmond p. 632 (b. 6 Mar 1858, d. 8 Jun 1919); LS 28.127-28.128, 40.343.

BIOFILE: Anon., B.C.G. (Biology curators group), Newsletter 2(9): 415. 1981 (herb. donated to BEL by his widow in 1919); J. Bot. 57: 358. 1919 (obit. not.).
Bridson, G.D.R., Nat. hist. mss. resources 33.9. 1980.
Druce, G.C., Bot. Soc. Exch. Club Brit. Isl. 5(5): 629-630. 1920 (obit. not.).
Hackney, P., Irish Natural. J. 17(7): 232, 233. 1972 (material BEL).
Kent, D.H., Brit. herb. 83. 1957 (herb. [phan.] at BEL).
Kent, D.H. & D.E. Allen, Brit. Irish herb. 264. 1984.
Knowles, M.C., Proc. R. Irish Acad. 38(B-10): 187, 188. 1929.
Praeger, R.L., Proc. R. Irish Acad. 7: cxlvi. 1901 (list publ.), Irish Natural. 28: 108. 1919; Botanist in Ireland 78. 1934; Some Irish naturalists 172. 1949.
Sayre, G., Bryologist 80: 519. 1977 (coll.).
Synnot, D.M., Glasra 4: 30. 1980 (bryoph. herb., 10.000 at DBN).

COMPOSITE WORKS: *Lichens*, p. 140-144, *in* H. Hanna et al., *A guide to Belfast and the Counties of Donn and Antrim*, Belfast 1902.

**16.467.** *Moss Exchange Club Catalogue of British Hepaticae* ... London (W. Wesley & Son, ...) 1897. Oct. (*Moss Exch. Club Cat. Hepat.*).
*Publ.*: Sep 1897 (J. Bot. Oct 1897; Hedwigia Nov-Dec 1897; Nat. Nov. Oct(2) 1897), p. [1]-7, [8]. *Copies*: G, NY.

**16.468.** *A census catalogue of British mosses*, with list of the botanical vice counties and their boundaries, and lists of sources of records, compiled, ... York (Coultas and Volans, ...) 1907. Oct. (*Census cat. Brit. moss.*).
*Authors*: Thomas Barker (1838-1907), William Ingham (1854-1923), Daniel Angell Jones (1861-1936), C.H. Waddell, Henry William Lett (1838-1920), Ernst Marquand (1848-1918). Introductory notes by Hugh Neville Dixon (1861-1944).
*Publ.*: 1907 (p. 4: 26 Jul 1907), p.[1]-63 (printed on one side). *Copies*: DBN, NY.

**Wade, Arthur Edward** (1895-x), British botanist; on active service World War I; at

the National Museum of Wales, Cardiff 1920-1961; in retirement in Rotorua, New Zealand; M.Sc. Univ. Wales 1958 (h.c.). (*A. Wade*).

HERBARIUM and TYPES: NMW. – Other material in F, K, M, OXF (see also Kent & Allen 1984). – *Letters* in G and NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 446; BL 2: 314, 316, 319, 321, 322, 729; Clokie p. 260; GR p. 384, *pl.* [*34*], cat. p. 73; IH 1 (ed. 2): 39, (ed. 3): 45, (ed. 4): 48, (ed. 5): 42; (ed. 6): 55, 365, (ed. 7): 345; NI 2: 264; Roon p. 119; SBC p. 134; TL-2/3174, 10.147.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 436. 1969; Rev. bryol. lichénol. 18: 96, 192. 1949, 22: 116. 1953, 24: 172. 1955, 25: 206. 1956, 30: 183. 1961, 34: 974. 1967 (note on publ.).
Bridson, G.D.R., Nat. hist. mss. res. Brit. Isl. 84.19, 84.20. 1980.
Ellis, G., Amgueddfa 16: 14-15. 1974; Nature in Wales 15(1): 22-23. 1976 (80th birthday).
Frodin, D.G., Guide standard floras world no. 662. 1984.
Harrison, S.G., Welsh Region Bull., Bot. Soc. Brit. Isl. 24: 5. 1976 (80th birthday), see also 42, autumn 1985 (note 90th birthday); Index coll. Welsh natl. Herb. 108-109. 1986.
Hawksworth, D.L. & M.R.D. Seaward, Lichenology British Isles 162-163. 199. 1977 (bibl. lich.).
Kent, D.H., Brit. herb. 83. 1957.
Kent, D.H. & D.E. Allen, Brit. Irish Herb. 264. 1984 (coll.) (Arthur Edwin W.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 768. 1984.
Mitchell, M.E., Bibl. Irish lichenol. 65, 66. 1971.
Sayre, G., Bryologist 80: 519. 1977.
Verdoorn, F., ed., Chron. bot. 2: 178. 1935, 3: 158. 1937, 4: 533. 1938.
Wood, R.D., Monogr. Charac. 1: 847. 1965.

COMPOSITE WORKS: (1): Co-author with H.A. Hyde, *Welsh fl. pl.* 1934, see TL-2/3174. *Ed. 1*, other copy: US; *Ed. 2*, revised by A.E. Wade, 1957, p. [i]-vi, [vii-xi], [1]-209, *pl. 1-4*. *Copy*: US.
(2) Editor, J.H. Salter, *Fl. pl. Cardiganshire, Suppl.* 1952, TL-2/10147.

NOTE: Outside our period: *The flora of Monmouthshire*, Cardiff 1970, 236 p., 2 maps, *2 pl.*

EPONYMY: *Wadeana* B.J. Coppins et P.W. James (1978).

**16.469.** *The adventive flora of the Port of Cardiff* ... Abroath (T. Buncle & Co., ...) 1926. Oct.
*Publ.*: Jun 1926, cover-t.p., p. 999-1027. *Copy*: G. – Reprinted and to be cited from Brit. Exch. Club Rep. 1925: 999-1027. 1926.

**Wade, Walter** (1760-1825), Irish botanist and physician practicing in Dublin; professor of botany for the Dublin Society; founder and director of the Botanical Garden of the Society, now National Botanic Garden, Glasnevin 1794-1825. (*Wade*).

HERBARIUM and TYPES: DBN (specimens in Hortus gramineus glasnevensis 1818), LINN (J.E. Smith herb.). – *Letters* to J.E. Smith in LINN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 447; BB p. 312; BL 2: 286, 729; BM 5: 2244-2245; Bossert p. 422; CSP 6: 221; DNB 58: 421 (20: 421-422) (G.S. Boulger); Dryander 3: 648; Henrey 2: 155, 156, 203, 3: 131-132; Jackson p. 125, 141, 143, 247, 251, 411; PR 9891-9895, ed. 1: 10865-10869; Rehder 5: 895; TL-2/5957, 15.549, see J.E. Smith; Tucker 1: 726-727.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 251: 316. 1965.
Crone, J.S., Conc. dict. Irish biogr. ed. 2. 257. 1937.

Dawson, W.R., Smith papers 94. 1934.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 264. 1984 (coll.).
Knowles, M.C., Proc. R. Irish Acad. 38(B)(10): 181. 1929.
Lett, H.W., Proc. R. Irish Acad. 32: 68-69. 1914-1916.
Nelson, E.C., Newslett. Soc. Bibl. nat. Hist. 1:9, 10. 1979; Long Room 20-21: 16-21. 1980 (on Flora dublinensis); Glasra 5: 1-20. 1981 (bibl.; copies at DBN); Occas. Pap. Natl. Bot. Gard. Glasnevin 122. 1982; Arch. nat. Hist. 10: 538. 1982.
Praeger, R.L., Proc. R. Irish Acad. 7: cxlvi. 1901; Botanist in Ireland 78. 1939; Some Irish naturalists 173. 1949.
Scully, R.W., Fl. County Kerry xii. 1916.

COMPOSITE WORKS: Published: *Quercus or oaks*: from the French of [A.] Michaux "Histoire des chênes de l'Amérique septentrionale" [TL-2/5957], Trans. Dublin Soc. 6, 1810 (annotated); xxi, [ix], 85 [1] p.

NOTE: (1) For a detailed bibliography of Wade's writings see E.C. Nelson (1981). For Wade's projected *Flora dublinensis* of which only a sample was printed and distributed to a small number of bookshops see Nelson (1980).
(2) A *Catalogus plantarum rariorum in comitatu Gallovidiae, praecipue Cunnemara inventarum*: ... was published by Wade in Trans. Dublin Soc. 2(2): [103]-127. 1802. No separate issue of this is known to E.C. Nelson.

EPONYMY: *Wadea* Rafinesque (1838) may honor this author but no derivation was given.

**16.470.** *Catalogus systematicus plantarum* indigenarum in Comitatu Dublinensi inventarum. Pars prima ... Dublini [Apud Gul. Sleater, ...] 1794. †. Oct. (in 4-s). (*Cat. syst. pl.*).
*Publ.*: 1794 (Wade sent a copy to J.E. Smith on 20 Sep 1794; the book is not mentioned by name), p. [i]-viii, [1]-275, [277-306]. *Copies*: DNB, HH, MO, NY. – N. Colgan, Fl. county Dublin, p. xxiv, 1904, mentions a projected, but never published second part.

**16.471.** *Catalogue of plants* in the arboretum, fruticetum, herbarium, gramina vera, hortus tinctorius, hot & greenhouses of the Dublin Society's botanic garden at *Glasnevin* ... Dublin (printed by Graisberry and Campbell, ...) 1802. Oct. (in fours). (*Cat. pl. Glasnevin*).
*Authorship*: anonymous; attributed to John Underwood by BM 5: 2163 (with reference to an earlier edition of 1800), to Walter Wade by E.C. Nelson 1982; see also under TL-2/15.549.
*Publ.*: 1802, p. [i], [1]-137. *Copies*: G, LIV. – Printed separately and issued with Trans. R. Dubl. Soc. 2(2). 1802. Continuation see below, *Syst. cat. Glasnevin*. See Nelson (1981) no. 10.

**16.472.** *Systematic catalogue* of green and hothouse plants, in the Dublin Society's botanical garden at *Glasnevin*; with their scientific name, common name, country or native soil, time of flowering, and whether annual, biennal, perennial, tree or shrub. Dublin (printed by Graisberry & Campbell ...) 1801 [1802]. (*Syst. cat. Glasnevin*).
*Authorship*: anonymous; attributed to W. Wade by Nelson (1981, p. 9).
*Publ.*: 1802 (even though dated 1801, see Nelson (1981), no. 10), p. [139]-247. *Copies*: Amer. philos. Soc., G, LIV. – Pagination continued from *Cat. pl. Glasnevin* (above); also issued with Trans. Dublin Soc. 2(2).

**16.473.** *Plantae rariores in Hibernia* inventae; or habitats of some plants, rather scarce and valuable found in Ireland; with concise remarks on the properties and uses of many of them ... Dublin (printed by Graisberry and Campbell, ...) 1804. Oct. (*Pl. rar. Hibernia*).
*Publ.*: Jul 1804 (p. [v]: 23 Jun 1804; copy sent to J.E. Smith 7 Aug 1804), frontisp., p. [i]-xiv, [xv-xvi], [1]-214. *Copies*: BR, DBN, G, HH, NY, USDA. – Also published, with two other papers, in Trans. Dubl. Soc. 4, 1804. – See Nelson (1981) no. 13.

**16.474.** *Salices* or an essay towards a general history of Sallows, Willows & Osiers, their

uses, and best methods of propagating and cultivating them ... Dublin (Graisberry & Campbell) 1811. Oct (in 4-s). (*Salices*).
*Publ.*: 1811 (p. [iii]: Mar 1811), frontisp., p. [i]-xxii, [1]-7, [1], [2], [1]-406, [1]-56. *Copies*: B-S, DBN, G, HH, MO, NY, USDA.

**Wächter, Wilhelm** (1870-1928), German (Schleswig-Holstein) botanist; student pharmacist in Hamburg, Hildburghausen, Frankfurt a. M. and Kolberg; state examination pharmacy München; Dr. phil. Rostock 1897; assistant with K. Goebel 1897-1901, with Wieler in Aachen 1901-1903; with W. Pfeffer in Leipzig 1903-1905; with Karl A.E. Müller in Berlin at the plant physiological laboratory of the Gardener's College at Dahlem 1905-1907; with L. Kny at Botanical Institute of the College for Agriculture ib. 1907-1909 (as guest 1909-1921), scientist at the Prussian Institute for environmental control (Inst. Wasser-, Boden-, Lufthygiene) from 1909-1918; secretary of the Deutsche botanische Gesellschaft 1907-1921; ultimately active as private scientist in München. (*Wächter*).

HERBARIUM and TYPES: Unknown.

NOTE: Johann Karl Augustin Wächter (1773-1846) was a German (Mecklenburg-Schwerin) forester in the Kingdom of Hannover (see R. Hoss, Lebensbild. hervorr. Forstmänn., Berlin 1885, p. 387-388).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 447 (b. 23 Mar 1870, d. 26 Jun 1928); Biol.-Dokum. 18: 9671; BJI 2: 185; GR p. 52, cat. p. 73; Hirsch p. 313; LS 28123, 40345-40348.

BIOFILE: Anon., Hedwigia 68: (48). 1928 (d.); Österr. bot. Ges. 77: 240. 1928 (d.).
Miehe, W., Ber. deut. bot. Ges. 46: (199)-(204). 1928 (obit., portr., bibl.).
Wächter, W., Apotheker Zeit. 1927 (88), 5 p. "Königsberger Getöse. Eine freundliche Abwehr", (polemics on serodiagnostics).

**Waga, Jakub** [Jakob] **Ignacy** (1800-1872), Polish botanist; student of Michel Szubert; Mag. phil. Warsaw 1825; high school teacher at Warsaw, Radom and Szczuczyn; from 1828 at Łomza; school inspector ib. 1854-1862. (*Waga*).

HERBARIUM and TYPES: Owned a herbarium, in 1880 with his widow in Łomza.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 207; Barnhart 3: 447 (d. 23 Feb 1872); BM 5: 2245; Bossert p. 422; Herder p. 202; Jackson p. 330; PR 9897, p. 359; Rehder 1: 73, 361, 4: 427; TR 314; Tucker 2: xxxix.

BIOFILE: Anon., Bot. Not. 1873: 28 (d.); Bot. Zeit. 30: "132" [is 232] 1872 (d.); Österr. bot. Z. 22: 238. 1872 (d.); Ottův slovník naučny 27: 95. 1908; Wielka encykl. powsszechna pwn 12: 75. 1969 (b. 25 Jul 1800).
Bourdeille de Montrésor, Bull. Soc. Imp. Natural. Moscou ser. 2. 7: 479-482. 1894 (bibl.).
Candolle, Alph. de, Phytographie 457. 1880 (herb. with widow).
Hryniewiecki, B., Acta Soc. bot. Pol. 20 (suppl.): 33-45. 1951 (biogr., portr., b. 25 Jul 1800).
J.R., Bot. Zeit. 30: 524-525. 1872 (obit. note and brief rev. of his Historja roslin).
Karpowiczowa, L., 150 Lat ogrodu botanicz. uniw. Warszaw. 8, 11. 1967 (photograph of bust).
Orgelbrand, S., Encykl. powsszechna 15: 105. 1903.

NOTE: (1) Antoni Waga (1799-1890) published an alphabetical index of Polish plant names: Ukaziciel Polskich nazwisk na rodzaje królestwa roślinnego, Warsawa 1846 [?], p. [i]-xxx, [1]-336, added by J. Waga to his *Fl. polon. phan.*, see below.
(2) J. Waga published a Polish version (greatly enlarged and in many aspects almost an independent work) of Guillaume Louis Figuier (1819-1894), *Histoire des plantes*, Paris

1865 (xv, 531 p.). Polish: *Historja roślin*, 3 vols. 1871-1872, not seen by us; see J.R., Bot. Zeit. 30: 524-525. 12 Jul 1872 (rev.).

**16.475.** *Flora polonica phanerogama* sive descriptiones plantarum phanerogamicarum in regno Poloniae tam sponte nascentium quam continuata cultura solo nostro assuefactarum Linnaeana methodi dispositae praemisso conspekta [sic] generali familiarum regni vegetabilis naturalium ... Varsaviae (typis Stanislai. Strabski) 1847-1848. 2 vols. Oct. (*Fl. polon. phan.*).
*Publ.*: 2 vols., 1847-1848. *Copies*: BR, HH, MO, NY. – Alternative title: *Flora polska* jawnokwiatowych rodzajów ...
*1*: 1847 (censor 21 Jul 1847), p. [i*-iv*], [i]-xiii, [xiv], [1]-766, [1-8].
*2*: 1848 (censor 16(28) Jul 1848), p. [i-viii], [1]-820, [1-3].
*Bound with vol. 2*, as appendix (no dated t.p.): A. Waga, Ukaziciel Polskich nazwisk na rodzaje królestwa roślinnego, s.l.n.d., p. [i]-xxx, [1]-336. – *Copies*: MO, NY. – See note above.

**Wagener, Philipp Christian** (*fl.* 1798), German botanist. (*Wagener*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 447; PR 9898, ed. 1: 10871; Rehder 1: 375.

EPONYMY: *Wageneria* Klotzsch (1854) honors H. Wagener, a German collector of plants in Venezuela (see below).

NOTE: Hermann Wagener(1823-1877), Orchid collector in Venezuela and Colombia (see e.g. K.S. Levonsen, Orchid Rev. 82: 348-352. 1974) who did not publish himself on his collections. See D.F.L. von Schlechtendal, *Plantae Wagenerianae Columbiae* in Linnaea 25: 743-750. Dec 1853, 26: 127-144. Apr 1854, and 26: 631-674. Sep 1855 and H.G. Reichenbach, Bonplandia 2: 9-26. 15 Jan 1854, 3: 65-72. 15 Mar 1855. See also H. Pittier, *Manual de las plantas usuales de Venezuela* 1926, p. 5.

**16.476.** *Flora von Hildesheim* oder: Beschreibung und Abbildung der im Fürstenthum Hildesheim wildwachsenden Pflanzen ... I^stes^ Zehend. Hildesheim (Gedruckt mit Schlegelschen Schriften) 1798. Fol. (*Fl. Hildesheim*).
*Co-author*: Friedrich Gruber d. Jüng.
*Publ.*: 1798, cover, p. [i-viii], *pl. 1-10* (col. copp.). *Copy*: NY.

**Wager, Horace Athelstan** (1876-1951), English botanist; went to South Africa 1903; professor of botany and zoology Transvaal University College (later Pretoria University). (*Wager*).

HERBARIUM and TYPES: PRE. – Some further material (mosses) in BM (incl. some holotypes), H.

BIBLIOGRAPHY and BIOGRAPHY: Lenley p. 426; SBC p. 134.

BIOFILE: Bullock, A.A., Bibl. S. Afr. bot. 125. 1978.
Gunn, M. & L.E. Codd, Bot. expl. S. Afr. 366. 1981 (portr.; main data).
Sayre, G., Bryologist 80: 519. 1977 (coll.).

EPONYMY: *Wageria* F.L. Stevens et Dalbey (1918).

NOTE: (1) H.A. Wager's son, Vincent Athelstan Wager (b. 1904) published on phytopathology and mycology, see E. Doidge, Bothalia 5: 1027. 1950. Herbarium material at PRE.
(2) Harold William Taylor Wager (1882-1929), lecturer in botany, Yorkshire College of Science 1888-1894, Inspector of Schools 1894-1926, published on the cytology of fungi; see Desmond p. 632, and A.C.S., Proc. R. Soc. B. 106: xix-xxii. 1930.

**16.477.** *A check list of the mosses of South Africa* ... Pretoria (Buckley & Van Duyn, ...) 1917. (*Check list moss. S. Afr.*).
*Publ.*: 1917 (US rd. 6 Nov 1917; J. Bot. Nov 1917), p. [1]-20. *Copies*: PH, US, USDA.

**Waghorne, Arthur Charles** (1851-1900), British missionary and botanist; educated at Canterbury for the Society for the Propagation of the Gospel to Newfoundland 1875; ordained Queen's College St. John's 1875 (deacon), 1878 (priest); mission priest in Newfoundland, St. Pierre and Miquelon and Labrador until 1899; in retirement on Jamaica 1899-1900. (*Waghorne*).

HERBARIUM and TYPES: Material at A, B (mainly destr.), BM, BUC, CUP, DBN, F, M, MIN, MO, MTMG, NY, NYS, OXF, PH, QK, S, US, Z. – *Letters* at G, GH, NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 447; BB p. 312; BL 1: 140, 323; BM 5: 2245; Clokie p. 260; CSP 19: 428; Desmond p. 632 (d. 11 Apr 1900, Jamaica); Lenley p. 426; Rehder 3: 262; Tucker 1: 727; Urban-Berl. p. 316.

BIOFILE: Adams, J., Trans. R. Can. Inst., Toronto 16(2): 353-354. 1928 (list publ.).
Anon., Bot. Gaz. 18: 325-326. 1893 (Newfoundland and Labrador Sphagna for sale, named by D.C. Eaton and C.F. Warnstorf; prospectus 3 p.); Hedwigia 38: (114). 1899 (Labrador and Newfoundland plants for sale); Index Amer. bot. lit. 1886-1966. 4: 438. 1969; Österr. bot. Z. 45: 486. 1895 (mosses and phans. Labr. Newfoundland for sale); Rev. bryol. 20(4): 80. 1893 (Newfoundland and Labrador plants for sale; identified by Macoun, Vasey, Bailey, Farlow, Hervey, Bebb, Underwood and Eckfeldt).
Brassard, G.R., Keynote address and notes on Newfoundland botanists, supplement to the Canad. Bot. Ass. Bull. 13(2): 17-18. April 1980.
Penhallow, D.P., Trans. R. Soc. Canada ser. 2. 3 (sect. 4): 56. 1897.
Sayre, G., Mem. New York Bot. Gard. 19(2): 269. 1971 (coll.).

**16.478.** A summary account of the *wild berries and other edible fruits of Newfoundland and Labrador*, ... St. John's (Newfoundland. "Mercury" Print) 1888. Oct. (*Wild berries fruits Newfoundland*).
*Publ.*: Nov-Dec 1888 (p. [2]: 14 Nov 1888), p. [1]-11. *Copy*: HH.

**16.479.** *The flora of Newfoundland*, Labrador and St. Pierre et Miquelon ... St. John's, N.F. (to be had of the Compiler ...) [1893-1898]. Oct.
*1*: 1893, cover-t.p., p. [1]-15. – Reprinted and to be cited from Trans. Nov. Scot. Inst. Sci. ser. 2. 1: 359-373. 1893.
*2*: 1895, cover-t.p., p. 17-34. – Id. ser. 2. 2: 17-34 [93-100]. 1895.
*3*: 31 Dec 1898, p. 361-401. – Id. ser. 2. 2: 361-401. 1898.
*Copies*: G, HH.

**Wagner, Adolf** (1869-1940), Austrian botanist; Dr. phil. Innsbruck 1893; assistant at the Innsbruck botanical institute 1900-1906; Habil. Innsbruck 1901; extraordinary professor of botany Innsbruck 1909; ord. professor ib. 1918-1936. (*A. Wagner*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 447 (b. 26 Jul 1869, d. 2 Nov 1940); BL 1: 61, 2: 185; CSP 19: 428; GR p. 462; Hirsch p. 313.

BIOFILE: Anon., Hedwigia 61: (114). 1919 (app. Innsbruck), 75: (167). 1936 (retirement); Nat. Nov. 24: 211. 1902 (Habil. Innsbruck); Österr. bot. Z. 59: 207. 1909 (e.o. prof. bot. Innsbruck), 67: 312, 404. 1918 (ord. id.).
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 336. 1914 (bibl.).
Sperlich, A., Ber. deut. bot. Ges. 59: (128)-(144). 1942 (obit., bibl.).
Stapp, A., Ber. deut. bot. Ges. 58: 489. 1940 (d. 2 Nov 1940).

COMPOSITE WORKS: Editor, *Botanisches Literaturblatt*. Organ für Autor- und Instituts-

Referate aus dem Gesamtgebiete der botanischen Literatur, Innsbruck, nos. 1(1)-1(16). 1903.

EPONYMY: *Wagneria* Lemaire (1857) honors the brothers F. Wagner and Ch. Wagner, gardeners in Riga; *Wagneropteris* A. Löve et D. Löve (1977) honors W.H. Wagner, Jr. (1920-x), American pteridologist.

**16.480.** *Zur Kenntniss des Blattbaues der Alpenpflanzen* und dessen biologischer Bedeutung ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1892. Oct.
*Publ.*: 1892 (read 12 Mai 1882; Bot. Zeit. 2 Dec 1892; Nat. Nov. Sep(2) 1892), cover-t.p., p. [1]-62, *pl. 1-2. Copies*: B, G. – Reprinted and to be cited from S.B. Kais. Akad. Wiss. Wien Abth. 1, 101: 487-548. 1892.
*Ref.*: Gilg, E., Bot. Jahrb. 17 (Lit.): 21-22. 1893 (rev.).

**16.481.** *Streifzüge durch das Forschungsgebiet der modernen Pflanzenkunde.* Drei Vorträge ... München (Ernst Reinhardt, ...) 1907. Oct. (*Streifz. Pflanzenk.*).
*Publ.*: Dec 1906 (p. v: Jun 1906; t.p. 1907; Bot. Zeit. 1 Jan 1907; ÖbZ Dec-Jan 1907; NY Feb 1907), p. [i*-ii*], [i]-v, [1]-92, [93]. *Copy*: B.

**Wagner, D.** (1800-?), Austro-Hungarian pharmacist and botanist; Dr. chem. Wien 1825; pharmacist in Pressburg (Bratislava) subsequently in Pesth (Budapest) until 1864. (*D. Wagner*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 448; BM 5: 2246; Kanitz p. 95, 96 (no. 140); NI 2091; Plesch p. 453; PR 9899, ed. 1: 10873; Rehder 3: 56; Sotheby 799; WU 52: 93-94 (bibl.).

**16.482.** *Pharmaceutisch-medicinische Botanik*, oder Beschreibung und Abbildung aller in der k.k. österreichischen Pharmacopoe vom Jahre 1820 vorkommenden Arzneypflanzen, in botanischer, pharmaceutischer, historischer und chemischer Beziehung, mit besonderer Rücksicht auf die botanische und pharmaceutische Synonymie, und Verfälschung oder Verwechslung der Abgehandelten Arzneystoffe; mit getreuen, genau nach der Natur gezeichneten und ausgemahlten Abbildungen ... Wien (Auf Kosten und im Verlag des Verfassers ...) 1828-1829. Fol. (*Pharm.-med. Bot.*).
*1*: 1828, p. [i-viii, dated Jul 1829], lvs. text 1-103.
*2*: 1829, p. [i], lvs. 104-216.
*Plates*: *249* col. liths.
*Copies*: B-S, NY. – Issued in Hefte containing 8 liths. with accompanying text.

**Wagner, Hermann** (of Weissenfels) (1824-1879), German (Saxonian) high school teacher and botanist; teacher at Weissenfels 1846; assistant teacher at the girls school of the Frankische Stiftung, Halle 1850; teacher at the higher girls school Bielefeld 1851-1857; from 1857-1863 in charge of a department of the Verlagsbuchhandlung Spamer in Reudnitz near Leipzig and later living from the sale of his herbaria in Neuschönfeld; retired from teaching because of loss of hearing. (*H. Wagner*).

HERBARIUM and TYPES: Most holdings of herbaria consist of sets or partial sets of his series of exsiccatae. Our information is incomplete.
(1) *Cryptogamen-Herbarium*, Bielefeld 1852-1862, fasc. 1-9, 25 specimens per fascicle (1-5: 1852-1854; ser. 2. 6-10. 1854-1862); Sets at B (mainly destr.), BM, BPI, BUC, DPU, FH, H, MANCH, NY, S. – For accompanying text see *Führ. Crypt.* below. See Sayre (1969).
(2) *Gras-Herbarium*, Lief. 1-8, nos. 1-201, Bielefeld 1855. A third edition is mentioned in the periodical literature 1880-1884 (10 Lief.).
(3) *Phanerogamen-Herbarium*, Lief. 1-8, nos. 1-200. 1857-1858.
(4) *Arznei- und Giftgewächse*, Lief. 1-5, nos. 1-125.
(5) *Alpenstrauss*, enthaltend die schönsten Gewächse der Alpen. Bielefeld, s.d., 50 specimens.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 448; BFM p. 324 [index]; BJI 1: 61; BM 5: 2246; De Toni 1: cxxvii, 2: cxix; DTS 1: 318; GR p. 52 (b. 10 Nov 1824, d. 28 Jun 1879); Herder p. 62, 96, 189, 267, 278; Jackson p. 50, 52, 54, 59, 133, 148, 221, 294; PR 9900-9904; Tucker 1: 727, 3: 321; Urban-Berl. p. 407.

BIOFILE: Anon., Bonplandia 5: 319. 1857, 8: 384. 1860; Brit. Mus. gen. cat. print. books 251: 451-452. 1965.
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Sayre, G., Mem. New York Bot. Gard. 19(1): 53-54. 1969.

**16.483.** *Führer ins Reich der Cryptogamen.* Für Lehrer und Schüler ... Bielefeld (Verlag von A. Helmich) 1852-1854, 5 parts. Oct. (*Führ. Crypt.*).
*1* (*Laubmoose*): 1852 (ÖbZ 4 Nov 1852), p. [i]-vi, [1]-42. – With 25 herbarium specimens.
*2* (*Lebermoose*): 1852, p. [1]-51, *1 pl.* and 25 specimens.
*3* (*Flechten*): 1853, p. [1]-55, [56, colo.], *1 pl.* and 25 specimens.
*4* (*Algen*): 1853, p. [1]-72, *1 pl.* and 25 specimens.
*5* (*Pilze und Gefässcryptogamen*): 1854, p. [1]-56, *1 pl.* and 20 specimens.
*Copies*: G, H.
*Ed. 2. 1* (*Laubmoose*): 1853, p. [i*], [i]-vi, [1]-42, 25 specim. *Copy*: NY.
*2* (*Lebermoose*): 1852 (original issue).
*3* (*Flechten*): 1855, p. [1]-56, *1 pl.*, 25 specim. *Copies*: NY, Stevenson.
*4* (*Algen*): 1855, p. [1]-72, *1 pl.*, 25 specim. *Copies*: NY, Stevenson.
*5* (*Pilze ...*): 1857, p. [1]-56, *1 pl.*, 20 specim. *Copies*: B, NY.
*Ed. 3. 1* (*Laubmoose*): 1853, p. [i*], [i]-vi, [1]-48, *1 pl.*, 25 specim. *Copy*: Stevenson.
*2* (*Lebermoose*): 1855, p. [1]-55, *1 pl.*, 25 specim. *Copies*: NY, Stevenson.
*3* (*Flechten*): 1857, p. [1]-56, *1 pl.*, 25 specim. *Copies*: B, MICH, NY.
*4* (*Algen*): 1857, p. [1]-72, *1 pl.*, 25 specim. *Copies*: B, MICH, NY.
*Ed. 4*: *1* (*Laubmoose*): 1856, p. [i]-viii, [1]-48, *1 pl.* 25 specim. *Copies*: MICH, NY.
*2* (*Lebermoose*): 1857, p. [1]-55, *1 pl.*, 25 specim. *Copies*: B, NY.
*Ed. 5*: *1* (*Laubmoose*): 1857, p. [i]-viii, [1]-48, 25 specim. *Copies*: B, MICH, NY.
*Ref.*: H-l., Bot. Zeit. 10: 659-661. 17 Sep 1852 (rev. part 1).
Sayre, G., Mem. New York Bot. Gard. 19(1): 53-54. 1969 (q.v. for the continuation of the exsiccatae by A. Wagner).

**16.484.** *Die Familien der Halbgräser und Gräser* (Juncaceen, Cyperaceen und Gramineen). Eine Anleitung zum Studium derselben für Anfänger, sowie für Freunde der Naturwissenschaften überhaupt bearbeitet und mit einem Herbarium in Verbindung gebracht ... Bielefeld (Verlag von August Helmich) 1854-1855, 2 parts. Oct. (*Fam. Halbgräs. Gräs.*).
*Associated herbarium*: see Herbarium and types (2) *Gras-Herbarium.*
*1* (*Halbgräser*): Aug 1854 ( p. vi: Jul 1854; p. [98]: Aug 1854), p. [iii*]-vi*, [i]-vi, [1]-97, [98], *pl. 1-2.*
*2* (*Gräser*): 1855, p. [1]-144, *pl. 1-2.*
*Copies*: B, NY.
*Reissue*: 1857. *Copies*: B, G, HH, M.
*1*: [iii*]-vi*, [i]-vi, 1-97, [98], *pl. 1-2.*
*2*: [1]-144, *pl. 1-2.*

**16.485.** *Die Pflanzendecke der Erde* in pflanzengeographischen Bildern and Schilderungen ... Bielefeld (Verlag von Velhagen und Klasing) 1857. Oct. (*Pfl.-Decke Erde*).
*Publ.*: 1857 (p. vi: Sommer 1857; Bonplandia 1 Nov 1857), p. [ii-viii], [1]-464. *Copies*: B-S, G, KNAW, MO, NY. – Second title page: *Pflanzenkunde für Schülern* ... Dritter Cursus: Das Pflanzenreich in seiner Vertheilung über die Oberfläche der Erde, sonst und jetzt. – The first *Cursus* was *Das Leben ... der Pflanze*, which went through at least nine editions; the second: *Das natürliche Pflanzensystem*, at least five editions.

**Wagner, Hermann** (of Hadamar) (1824-1908 (1882?)), German (Hessen) botanist and teacher; studied at the University of Göttingen 1843-1846, in Berlin 1846-1847;

assistant teacher at the Gymnasium of Weilburg 1848-1851; id. at Dillenburg 1850-1852; id. at Wiesbaden 1852, teacher at Weilburg 1858, conrector Weilburg 1859-1861; at the "höhere Bürgerschule" (high school) of Wiesbaden 1861; in charge of the Realschule at Diez 1863; rector of the Real-Progymnasium Bad-Ems 1866. (*H. Wagner II*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Anon., Matrikel des Gymnasium Philipp. Weilburg 2: 306. s.d.; Programm Realschule Ems 9 u. 10 Apr 1867, id. Diel 12 Apr 1867, id. Limburg 15-16 Apr 1867, p. 8.

Löber, K., Pfl. Grenzgeb. Westerwald Rothaar, Göttingen 1972 (curr. vit., b. 27.10.1824, d. "1882"; however no definite indication that his various post-1882 publ. were posthumous).

**16.486.** *Illustrirte deutsche Flora.* Eine Beschreibung der in Deutschland und der Schweiz einheimischen Blüthenpflanzen und Gefässcryptogamen ... Stuttgart (Julius Hoffmann ...) [1869-] 1871. Oct. (*Ill. deut. Fl.*).

*Ed. 1*: 1869-1871, 16 Lieferungen of 64 p. *Copies*: B, G, HH, M, NY.

*Preface material*: 1871, p. [i]-lxvviii.

*Erste Hälfte*: Mar 1869-Mai 1870, p. [1]-496. – Published in 8 parts; livr. 1: Mar 1869; livr. 3-4 (p. 129-240) Aug-Oct 1869, livr. 5-8 publ. Mai 1870.

*Zweite Hälfte*: Mai 1870-Jun 1871, p. [i], 497-939, [940, err.]. – Published in 8 parts (part 9 publ. Mai 1870; 10: Oct 1870; 11-16 publ. by 15 Jun 1871).

*Ed. 2*: 1881-1882 (20 Lieferungen Apr 1881-Mai 1882), p. [iii]-lxxx, [1]-914. *Copies*: B, G, HH, MO, NY. – Bearbeitet und vermehrt von ... August Garcke [see TL-2/1: 912-914]. Stuttgart (Verlag für Naturkunde ...) s.d. Oct.

*Ed. 3*: [1903]-1905 (16 Lieferungen Jun 1903-1905), p. [i]-xxxix, [xl], [1]-792. *Copies*: G, H, HH, NY, U. – Dritte Auflage nach der von ... August Garcke besorgten 2. Auflage neu durchgesehen und verbessert. Stuttgart (Verlag für Naturkunde ...). Oct.

*Note*: Our attribution of this publication to Hermann Wagner of Hadamar, is tentative. The circumstance that Garcke undertook the revision of ed. 2 in 1881-1882 is not in line with activities of the Wagner of Hadamar. It seems also less likely that the first edition was by H. Wagner of Weissenfels.

**16.487.** *Flora des unteren Lahnthals* mit besonderer Berücksichtigung der näheren Umgebung von Ems. Zugleich mit einer Anleitung zum Bestimmen der darin beschriebenen Gattungen und Arten ... Bad-Ems (Druck und Verlag von H. Chr. Sommer) 1889, 2 parts. (*Fl. Lahnthals*).

*1* (*Bestimmungs-Tabellen*): Nov 1889 (Bot. Zeit. 3 Dec 1889; ÖbZ for Nov 1889; Nat. Nov. Dec(1) 1889), p. [i]-viii, 1-42, *pl. 1-11*.

*2* (*Beschreibung der Arten*): Nov 1889 (p. vi: Sep 1889; Bot. Zeit. 3 Dec 1889; ÖbZ for Nov 1889; Nat. Nov. Dec(1) 1889), p. [i]-viii, [1]-190, [191 cont.].

*Copies*: B, HH, NY.

*Part 1* previously partly published Jun-Jul 1889, p. [1]-28. *Copy*: MO. – Programm des Realprogymnasiums zu Bad-Ems ...

*1. Die Flora des unteren Lahnthals* ... Bad-Ems (Druck von H. Chr. Sommer) 1889. Qu. (Bot. Zeit. 26 Jul 1889).

**16.488.** *Flora des Regierungsbezirks Wiesbaden.* Zugleich mit einer Anleitung zum Bestimmen der darin beschriebenen Gattungen und Arten ... Bad-Ems (Druck und Verlag von H. Chr. Sommer) 1890-1891, 2 parts. Oct. (*Fl. Wiesbaden*).

*Publ.*: 1890-1891. *Copies*: B, HH, M.

*1*: 1890 (*Analyse der Gattungen*; Bot. Centralbl. 3 Dec 1890; Nat. Nov. Dec 1890), p. [i]-x, 1-64, *pl. 1-11*.

*2*: 1891 (*Analyse und Beschreibung der Arten*; Bot. Zeit. 30 Oct 1891), p. [i]-xi, [1]-329.

**Wagner, János [Johannes]** (1870-1955), Hungarian (Banat-born) botanist and high

school teacher; studied at the teacher's college at Znióváralja; teacher in Csáktornya, Kiskunfélegyhaza and 1901-1911 in Arad; from 1911-1914 teacher at a girls school in Budapest; school inspector 1914, general inspector of the teacher's college in Hungary 1919-1928; Dr. h.c. Szeged 1953; Dr. biol. sci. h.t. 1952. (*J. Wagner*).

HERBARIUM and TYPES: BP (see Vöröss 1984); further material in A, AK, C, DBN, E, GB, MANCH, NH, PR, U.
*Exsiccatae*: *Tiliae exsiccatae criticae* 1929-1934, 5 fasc., 250 nos. (see *Die Linden des historischen Ungarns*, Mitt. deut. dendrol. Ges. 44: 316-345. 1932, 45: 5-60. 1933). Set at K. – Wagner's monograph of Hungarian Tilia ("*Magyarország hársai*") was published in Kertészeti Közlem. 7-10, 1941-1944.

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BIOFILE: Anon., Österr. bot. Z. 65: 32. 1914 (app. inspector).
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Vörös, L.Z., Studia bot. hung. 17: 69-72. 1984 (on W.'s Tilia herbarium).

**16.489.** *Die Gefässpflanzen des Túróczer Komitates* ... Igló (Buchdruckerei des Josef Schmidt) 1901. Oct.
*Publ.*: 1901 (AbZ 15 Sep 1901; Nat. Nov. Nov(1) 1901), cover-t.p., p. [1]-59. *Copies*: G, HH. – Reprinted and to be cited from Jahrb. Ungar. Karpathen-Vereins 28: 1-59. 1901, Hungarian version in Magyarországi Kárpátegyesület Évkönyve 28: 1-56. 1901.

**16.490.** A magyaroszági Centaureák ismertetése (*Centaureae Hungariae*) ... Budapest (Kiadja a Magyar Tudományos Akadémia) 1910. Oct. (*Centaur. Hung.*).
*Publ.*: 1910 (t.p. preprint), p. [i-iii], [1]-183, *pl. 1-10*. *Copy*: HH. – Issued as Math. Termész. Közlem. 30: 269-451. 1911.

**Wagner, Moritz Friedrich** (1813-1887), German (Bavarian) traveller, botanist and zoologist; travelled in Algeria (1836-1838), in Caucasia, Armenia and Persia (1844, 1850, 1852, 1855); in North and Central America (1853-1854), Panama and Ecuador (1857-1860); professor of geography and ethnography at München from 1862, also curator of the München ethnographic museum. (*M. Wagner*).

HERBARIUM and TYPES: M (Caucasia; Panama 1858-1860, Ecuador 1859); other material in BR, FI (Ecuador), GOET (Caucas., Armen., Crimea).

BIBLIOGRAPHY and BIOGRAPHY: ADB 40: 532-543 (F. Ratzel); Backer p. 619; Barnhart 3: 448 (b. 3 Oct 1813, d. 30 Mai 1887); BM 5: 2247; CSP 6: 229, 8: 1179, 19: 432; Herder p. 33, 62; Jackson p. 101; PR 9906; Rehder 5: 897; Tucker 1: 727.

BIOFILE: Acosta-Solis, M., Natural. viaj. ci. Ecuador 33. 1968.
Anon., Bonplandia 5: 172. 1857, 7: 166-167. 1859 (letters from Ecuador), 8: 169-170. 1860 (account S. Amer. journey), 10: 167, 211. 1862; Bot. Zeit. 1: 685-686. 1843 (on trip Ararat); Bot. Mus. gen. cat. print. books 251: 471-472. 1964; Humboldt (ed. O. Dammer; Stuttgart), 6(8): 321. 1887; Leopoldina 23: 113-114. 1887.; Österr. bot. Z. 9: 234. 1859 (in Quito), 10: 201. 1860 (back in Germany).
Beck, H., Moritz Wagner (mss. Univ. Marburg, n.v.).
Corbach, O., *in* A. Chroust, Lebensläufe aus Franken 5: 451-466. 1936.
Embacher, F., Lexik. Reisen 290-291. 1882.
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Wolkenhauer W., Deutsche Rundschau Geogr., Statistik 10: 90-93. 1888 (obit., portr.), Geogr. Jahrb. 12: 396-397. 1888.
Zittel, K.F. v., Gesch. Geol. Paläont. 411, 418, 432, 552. 1899.

**16.491.** *Reisen in der Regentschaft Algier* in den Jahren 1836, 1837 un 1838 ... nebst einem naturhistorischen Anhang und einem Kupferatlas ... Leipzig (Verlag von Leopold Voss, ...) 1841, 3 vols. Oct. and atlas. Qu. (*Reis. Algier*).
*Publ.*: 31 Jan-6 Feb 1841 (Hinrichs). *Copy*: PH (atlas n.v.).
*1*: 1841 (p. x: Sep 1840), p. [i]-xxviii, [1]-482.
*2*: 1841, p. [i]-vi, 1-357.
*3*: 1841, p. [ii]-xviii, [xix-xx], [1]-296.

**16.492.** *Reise nach dem Ararat* und dem Hochland Armenien ... Mit einem Anhange: Beiträge zur Naturgeschichte des Hochlandes Armenien. Stuttgart und Tübingen (Verlag der J.G. Cotta'schen Buchhandlung) 1848. Oct. (*Reise Ararat*).
*Publ.*: 1848, p. [i]-xii, [1]-331. *Copies*: H-UB, HH, LC, NSUB. – On p. 315-331: "III. Ueber die armenische Flora, Höhenverhältnisse der Pflanzen".

**16.493.** *Reise nach Kolchis* und nach den deutschen Colonien jenseits des Kaukasus. Mit Beiträgen zur Völkerkunde und Naturgeschichte Transkaukasiens ... Leipzig (Arnoldische Buchhandlung) 1850. Oct. (*Reise Kolchis*).
*Publ.*: 1850, p. [i]-viii, [1]-341, [342]. *Copies*: B-S, H-UB, LC, NSUB. – Occasional botanical remarks on p. 261-341; see also p. 95.

**16.494.** *Die Republik Costa Rica* in Central-Amerika mit besonderer Berücksichtigung der Naturverhältnisse und der Frage der deutschen Auswanderung und Colonisation. Reisestudien und Skizzen aus den Jahren 1853 und 1856 ... Leipzig (Arnoldische Buchhandlung) 1856. Oct. (*Costa Rica*).
*Co-author*: Carl Heinrich von Scherzer (1821-1903).
*Publ.*: Jan 1856 (p. xvi: Aug 1855; Bot. Zeit. 1 Feb 1856), p. [i]-xvi, [1]-578, map. *Copy*: PH.
*Ref.*: H-l, Bot. Zeit. 14: 82. 1 Feb 1856 (rev.).

**16.495.** *Die Darwin'sche Theorie* und das Migrationsgesetz der Organismen ... Leipzig (Verlag von Duncker & Humblot) 1868. Oct. (*Darwin. Theorie*).
*Publ.*: 1868 (p. viii: Jun 1868), p. [i]-viii, [1]-62. *Copies*: B, M.
*Abbreviated issue*: 1868, p. [1]-39. *Copy*: M. – München (Akademische Buchdruckerei von F. Straub).

**16.496.** *Naturwissenschaftliche Reisen im tropischen Amerika* ausgeführt auf Veranlassung und mit Unterstützung weiland Sr.M. des Königs Maximilian II von Bayern ... Stuttgart (Verlag der J.G. Cotta'schen Buchhandlung) 1870. Oct. (*Naturw. Reise trop. Amer.*).
*Publ.*: 1870 (p. xviii: Oct 1869; Bot. Zeit. 15 Apr 1870), p. [i]-xxiv, [1]-632, table. *Copy*: PH.

**16.497.** *Die Entstehung der Arten* durch räumliche Sonderung. Gesammelte Aufsätze ... Basel (Benno Schwabe, ...) 1889. Oct. (*Entsteh. Art.*).
*Editor*: Moriz Wagner.
*Publ.*: 1889 (p. 667: winter 1888-1889; ÖbZ 1 Aug 1889), p. [i-vii], [1]-667, [1-4, add.]. *Copies*: B, MO, PH.

**Wagner, Rudolf** (1872-?), German (Baden) botanist; Dr. phil. 1895 Strassburg; assistant at the Institute for Plant Physiology, München 1896-1898; id. Botanical Institute Heidelberg 1898-1899; id. Karlsruhe 1899-1900; id. with R. v. Wettstein 1900-1901; id. Botanical Garden Vienna 1901-1903; at the regional office for Vienna of the Internationale Wissenschaftliche Bibliographie 1903-1915; "Privatgelehrter" from 1916. (*R. Wagner*).

HERBARIUM and TYPES: Unknown. – *Letters* in G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 448 (b. 10 Mai 1872); Biol.-Dokum. 18: 9701; BJI 1: 61, 2: 185; CSP 19: 433; DTS 6(4): 205; Langman p. 787; MW p. 518, suppl. 387; Rehder 5: 897; TL-2/10943; Tucker 1: 727, 3: 324.

BIOFILE: Anon., Allg. bot. Z. 2(5): 52. 1896 (asst. München), 4: 88, 188. 1898 (asst. Heidelberg), 9: 76. 1903 (Int. cat. sci. lit.); Bot. Centralbl. 66: 47. 1896 (asst. München), 76: 384. 1898 (id. Karlsruhe), 77: 48. 1898 (id.); Bot. Jahrb. 21 (Beibl. 54): 31. 1896 (app. Münster [err.]), 25 (Beibl. 60): 55. 1898 (asst. Heidelberg), 27 (Beibl. 27): 8. 1899 (asst. Karlsruhe); Österr. bot. Z. 46: 199. 1896 (asst. München), 49: 38. 1899 (asst. Karlsruhe), 53: 135. 1903 (Int. cat. sci. lit.).
Janchen, E., Richard Wettstein 178-179. 1933 (biogr. sketch).

COMPOSITE WORKS: Contributed to C.K. Schneider, *Ill. Handw.-Buch Bot.* ed. 1, 1905 and ed. 2. 1917, TL-2/10943.

**16.498.** *Die Morphologie des Limnanthemum nymphaeoides* (L.) Lk. Inauguraldissertation der mathematischen und naturwissenschaftlichen Facultät der Kaiser-Wilhelms-Universität zu Strassburg zur Erlangung der Doctorwürde vorgelegt ... s.l. 1895. Qu. (*Morph. Limnanth. nymph.*).
*Publ.*: early Dec 1895 (ÖbZ for Dec 1895; Bot. Zeit. 15 Dec 1895; AbZ 15 Dec 1895; J. Bot. Feb 1896 as of 16 Dec 1896), p. [1]-18, [19, expl. pl.], *pl. 8*, [1, curr. vitae]. *Copies*: B, NY. – Reprinted and to be cited from Bot. Zeit. 53(1)(Heft 9): 189-205, *pl. 8.* 1895.

**16.499.** Ueber *Erythrina Crista-galli* L. und einige andere Arten dieser Gattung ... Separatabdruck aus der "Oesterreichischen botanischen Zeitschrift", ... 1901. Oct.
*Publ.*: Nov-Dec 1901 (in journal), p. [1]-18. *Copies*: B, G. – Reprinted and to be cited from Österr. bot. Z. 51: 418-426. Nov, 449-457. Dec 1911.

**16.500.** *Beiträge zur Kenntniss der Anemone ranunculoides* L. und der A. lipsiensis Beck ... [Separat-Abdruck aus ... Annalen des k.k. Naturhistorischen Hofmuseums. Wien 1902. Oct.
*Publ.*: 1902 (Nat. Nov. Feb(1) 1903), cover, p. [i, t.p., recto of 282], [282]-300. *Copies*: B, G, HH. – Reprinted and to be cited from Ann. naturh. Hofmus. 17: [282]-300. 1902.

**16.501.** *Ueber einige Arten der Gattungen Templetonia* R.Br. *und Hovea* R.Br. ... Separat-Abdruck aus den "Verhandlungen" der k.k. zoologisch-botanischen Gesellschaft in Wien (Jahrgang 1902). Oct.
*Publ.*: 25 Sep 1902 (read 16 Mai 1902; cover journal dated), cover, p. [487]-503. *Copy*: B. – Reprinted and to be cited from Verh. zool.-bot. Ges. 52(7): [487]-503. 1902.

**16.502.** *Beiträge zur Kenntniss der Gattung Trochodendron* Sieb. et Zucc. ... Separat-Abdruck aus ... Annalen des k.k. Naturhistorischen Hofmuseums ... Wien, 1903. Oct.
*Publ.*: 1903 (Nat. Nov. Jan(2) 1904), cover, p. [409]-422. *Copies*: B, HH. – Reprinted and to be cited from Ann. naturh. Hofmus. 18: [409]-422. 1903.

**16.503.** *Untersuchungen über den morphologischen Aufbau der Gattung Pachynema* R.Br. ... Aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien ... 1906. Oct.
*Publ.*: Jun-Jul 1906 (read 25 Mai 1906), p. [1]-42. *Copy*: M. – Reprinted and to be cited from S.B. kais. Akad. Wiss. Wien, Mat.-nat. Kl. 115 (Abt. 1): 1039-1080. 1906.

**16.504.** *Zur Morphologie der Sanchezia nobilis* Hook. fil. ... Aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien ... 1907. Oct.
*Publ.*: Feb 1907 (read 10 Jan 1907), p. [1]-28. *1 pl. Copy*: M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 116 (Abt. 1): [33]-60. 1907.

**16.505.** *Zur Morphologie des Tabaks* und einiger anderer Nicotiniana-Arten ... Wien (aus der Kaiserlichen-königlichen Hof- und Staatsdruckerei ...) 1907. Oct.
*Publ.*: Feb-Mar 1907 (read 24 Jan 1907), cover-t.p., p. [1]-22. *Copies*: B, M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 116 (Abt. 1): [61]-82. Jan 1907.

**16.506.** *Zur Morphologie der Gattung Creochiton* Bl. ... Wien (aus der Kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1907. Oct.
*Publ.*: Apr-Mai 1907 (read 7 Mar 1907; Nat. Nov. Sep(1, 2) 1907), cover-t.p., p. [1]-17. *Copies*: B, M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 116 (Abt. 1): [411]-427. Mar 1907 (vol. no. on repr. err. "cxv").

**16.507.** *Beiträge zur Kenntniss einiger Amorpha-Arten* ... Wien (aus der Kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1907. Oct.
*Publ.*: Nov-Dec 1907 (read 24 Oct 1907; Nat. Nov. Mar(1) 1908), cover-t.p., p. [1]-13. *Copies*: B, M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 116 (Abt. 1): [1541]-1553. Oct 1917.

**16.508.** *Untersuchungen über den Bau der "Dolden" von Stephanotis floribunda* Brongn. ... Aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien ... 1908. Oct.
*Publ.*: Feb 1908, p. [1]-33. *Copy*: M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien, Mat.-nat. Kl. 117 (Abt. I): [53]-85. 1908 (issue for Jan 1908).

**16.509.** *Über Pseudomonopodien* ... Leipzig (Verlag von Wilhelm Engelmann) 1916. Oct.
*Publ.*: 4 Oct 1916, cover-t.p., p. [i, recto of 262], 262-268. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 54(3): [261]-268. 1916.

**16.510.** *Zur Morphologie der* Boroniee *Myrtopsis macrocarpa* Schltr. ... Leipzig (Verlag von Wilhelm Engelmann) 1916. Oct.
*Publ.*: 4 Oct 1916 (in journal), cover-t.p., p. [269]-272. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 54(3): [269]-272. 1916.

**16.511.** *Beiträge zur Kenntnis der Gattung Koompassia* Maing. ... [Ann. Naturh. Mus. Wien 1930].
*Publ.*: 1930, cover, p. [441]-457. *Copy*: HH. – Reprinted and to be cited from Ann. naturh. Mus. Wien 44: 441-457. 1930.

**Wagner, Rudolf Eduard** (1842-1913), German (Oberlausitz/Sachsen) high school teacher and botanist at Löbau. (*R.E. Wagner*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Schade, A., Natura lusatica, Bautzen 5: 20, 21. 1961.

**16.512.** *Flora des Löbauer Berges*, nebst Vorarbeiten zu einer Flora der Umgegend von Löbau. Wissenschaftliche Beilage zum 10. Jahresberichte der städtischen Realschule zu Löbau i.S. [Sachsen] für Ostern 1886 ... Löbau i.S. (Druck von Hohlfeld & Witte) 1886. Qu. (*Fl. Löbau. Berg.*).
*Publ.*: Mar-Apr 1886 ("for Easter"; Bot. Zeit. 30 Apr 1886; Bot. Centralbl. 10-14 Mai 1886; Nat. Nov. Mai(1) 1886), p. [1]-87, [88, err.]. *Copies*: B, HH, M, MO. – "Progr. Nr. 525".

**Wahl, Carl Georg von** (1869-?), Baltic German (Livonian) botanist; studied natural sciences at Dorpat 1890-1893; botany at Berlin 1893-1896, student of A. Engler, K. Schumann, S. Schwendener; Dr. phil. Berlin 1896; later head of the botanical division of the "Badische Staatliche Landwirtschaftliche Versuchsanstalt Augustenberg near Karlsruhe. (*C. Wahl*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 448; Biol.-Dokum. 18: 9704; BM 5: 2248; Hirsch p. 314; LS 40369-40371, 41825, suppl. 29107-29114; Rehder 1: 120.

BIOFILE: Dörfler, I., Botaniker-Adressbuch ed. 3. 74. 1909 (at Augustenberg).

**16.513.** *Vergleichende Untersuchungen über den anatomischen Bau der geflügelten Früchte und Samen.* Inaugural-Dissertation zur Erlangung der Doktorwürde von der philosophischen Fakultät der Friedrich-Wilhelms-Universität zu Berlin genehmigt und nebst beigefügten Thesen öffentlich zu verteidigen von Carl von Wahl aus Livland. 2 Dezember 1896 ... Stuttgart (Verlag von Erwin Nägele) 1896. Qu. (*Vergl. Unters. geflüg. Früchte*).
*Publ.*: 2 Dec 1896, p. [i-iii], [1]-23, *1 pl. Copy*: B. – On p. 3: vita; C.G. von Wahl born 3 Sep 1869.
*Commercial ed.*: early Jan 1897 (Nat. Nov. Jan(2) 1897), p. [i-ii], [1]-25, *pl. 1-5. Copy*: BR. – Issued as Bibl. bot. Heft 40, 1897.

**Wahlberg, Pehr Fredrik** (1800-1877), Swedish botanist, physician and pharmacist; Dr. phil. Uppsala 1824 with C.P. Thunberg, Dr. med. ib. 1827; associate professor of materia medica and natural history at the Karolinska Institut, Stockholm 1827-1836; regular professor of materia medica 1836-1865; secretary of the Swedish Academy of Sciences 1848-1866; travelled widely in Scandinavia between 1819 and 1857 and in S. Europe 1828-1830. (*Wahlb.*).

HERBARIUM and TYPES: S; further material in BR, LZ, UPS-Thunb. – *Letters* to Elias Fries in KVA-Stockholm (200) and UPS-UB (110).

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 646; Backer p. 619; Barnhart 3: 449; BL 2: 521, 729; BM 5: 2249; Bossert p. 423; CSP 6: 233-234, 12: 767; Herder p. 196; Hortus 3: 1206; KR p. 739-741 (b. 19 Jun 1800, d. 22 Mai 1877); NI 2: 273, no. 2223; PR 9318, 9381, 9908-9909, ed. 1: 10287-10299, 10879-10880, 11827; Rehder 5: 897; TL-1/947; TL-2/14.403, 14.425, see Thunberg, C.P.

BIOFILE: Anon., Biogr. Lexic. 19: 150-154. 1852 (detailed biogr., bibl.); Bot. Not. 1845: 62, 174, 1877: 125 (obit.), 1883: 106; Flora 12(1): 95-96. 1829 (continental trip).
Afzelius, K., Nordisk familjebok ed. 3. 19: 1283. 1933.
Cooper, Th., Men of the time ed. 9. 982. 1875.
Düben, G. v., Lefnadsteckningar öfver K. Sv. Vet. Akad. ledam. 2: 531-555. 1878-1885 (biogr., bibl.).
Högrell, B., Bot. hist. 246. 1886.
Hornschuch, C.F., Flora 14(2): 831. 1831 (back from trip in Europe; app. Karol. Inst.).
Lindman, S., Sv. män kvinn. 8: 140. 1955 (biogr., portr.).
Lundqvist, A., Sv. bot. Tidskr. 75: 306. 1981 (coll. nr. Göteborg 1820-1824); Sv. Linnésällsk. Årsskr. 1975-77: 41. 1981 (portr.).
Osvald, H., *in* R.E. Fries, Short hist. bot. Sweden 133. 1950.
Schmiterlöw, H., K. Sv. Vet.-Akad. Årsb. 1947: 375, 376, 382-386, 399, 404.
Wittrock, Acta Horti Berg. 3(2): 75. 1903, 3(3): 57, *pl. 101*. 1905 (on portr.).

COMPOSITE WORKS: Editor of J.W. Palmstruch *Svensk botanik* vol. 11, fasc. 4-9, *pl. 739-774*. 1836-1838 (TL-2/7247) and of the index to the entire work.

COMMEMORATIVE MEDAL: cast in 1883 by the Royal Swedish Academy of Sciences, impressed by Lea Ahlborn.

NOTE: Wahlberg's brother, Johan August Wahlberg (1810-1856) travelled in Norway (1832), Sweden and parts of Germany 1833-1834; South Africa 1839-1845 and 1854-1856. Main set of collections in S; duplicates e.g. in DBN, HBG, PRE. For itinerary and further details see M. Gunn & L.E. Codd, Bot. Explor. S. Afr. 366-369. 1981 and T. Flensburg & S. Lindman, Sv. män kvinn. 8: 140-141. 1955.

EPONYMY: *Wahlbergella* E.M. Fries (1843).

**16.514.** *Flora gothoburgensis*, cujus partem priorem, venia Exp. Fac. Med. Upsal., praeside C.P. Thunberg, ... modeste proponit Petrus Fridericus Wahlberg, Ostrogothus. In Audit. botanico d. xiii Dec. mdcccxx, h.a.m.s. Upsaliae (excudebant Regiae Academiae Typographi) [1820]. Oct. (*Fl. gothob.*).
*1*: 13 Dec 1820 (or a few days earlier) p. [i-iv], [1]-87, [88, err.].

*2(1)*: 27 Nov 1824 (id.), p. [i-iv], [89]-102. – Flora gothoburgensis cujus partem posteriorem, venia Ampliss. Facult. Philos. Upsal. p.p. Mag. Petr. Fred. Wahlberg, ... et Gustavus Fredericus Brandsten , ... in Audit. Gust. die xxvii Nov. mdcccxxiv. h.a.m.s. Particula prima. Upsaliae (id.).

*2(2)*: 13 Dec 1824 (id.), p. [i-ii], 103-117. – "... Wahlberg, ... et Augustus Timoleon Wistrand ... In Audit. Gust. die xiii Dec. mdcccxxiv. h.a.m.s. Particula secunda. Upsaliae (id.).

*Copies*: FI, GB, H, HH, LD, M, MO, NY, Peterson, US, USDA.

*Ref.*: Sprengel, K.P.J., Neu. Entdeck. Pflanzenk. 3: 231-232. 1822 (rev.).

**16.515.** *Anvisning till svenska foderväxternas kännedom*; ... Stockholm (H.G. Nordström) 1835. Oct. (*Anvisn. Sv. foderväxt. känned.*).

*Publ.*: 1835, p. [1]-318, [319, 320], 2 folded charts, *4 pl. Copies*: H, LD, NY. – Originally published in Sv. Landtbr.-Akad. Handl. 1833-1834: 165-282, *2 pl.* 1835, 1835: 64-262 with 2 charts and *4 pl.* – Exsiccatae illustrating this work: S.J. Lindgren, *Svenska fodervexter* i torkade exemplar utgifne, Häft. 1-2, 1839-1840, see KR p. 413, no. 13. – For Danish versions see KR p. 740, no. 7.

**Wahlbom, Johan Gustav** (1724-1808), Swedish botanist and physician; student of C. Linnaeus; Dr. med. Uppsala 1751; regional physician in Kalmar 1754-1794; appointed botanical demonstrator h.c. Stockholm 1794, but stayed in Kalmar. (*Wahlbom*).

HERBARIUM and TYPES: Lost, but some specimens in UPS (Juel 1926, 1931); for zoological collections see Löwegren (1952).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 619; Barnhart 3: 449; BM 5: 2249, 8: 1383; KR p. 741 (b. 7 Jan 1724, d. 25 Jan 1808); PR 5444, ed. 1: 6025; Rehder 1: 198; SO 254, 1279, 1447, 1454*, 1750, 2491a; TL-2/4738; Tucker 1: 727.

BIOFILE: Burdet, H.M. et al., Ouvr. bot. anc. no. 517, 552. 1985.

Fries, Th.M., Linné 2: 75-77. 1903; Bref skrifv. Linné 1(1): 58, 207. 1907, 1(2): 172, 210, 356. 1908, 1(4): 66, 190, 202, 248. 1910, 1(5): 4, 224-226. 1911, 1(6): 280. 1912 (with J.M. Hulth), 1(7): 27, 33. 1917.

Juel, H.O., Sv. Linné-Sällsk. Årsskr. 9: 70. 1926, 14: 12-16. 1931 (42 specimens annotated by Linnaeus).

Löwegren, Y., Årsb. i sv. undervisningshist. 132: 95-97. 1944 (taught natural history at Kalmar High School); Naturaliekabinett Sverige 356, 369. 1952.

Palmblad, F.W., Biogr. Lexic. 19: 155-157. 1852.

Tigerstedt, R., *in* Nordisk Familjebok ed. 3. 19: 1283. 1933.

Wittrock, V.B., Acta Horti Berg. 3(3): 57. 1905.

EPONYMY: *Wahlbomia* Thunberg (1790).

COMPOSITE WORKS: See C. Linnaeus, *Sponsalia plantarum* 1746, TL-2/4738. Krok attributes this thesis to J.G. Wahlbom. – Swedish translation: *Sponsalia plantarum*, eller blomstrens biläger, ... Stockholm 1750; repr. in Skrift. C. v. Linné 4(1): 49-102. 1908 with plate and notes by Th.M. Fries. – Further copies seen of original: B, G, NY.

**Wahlenberg, Georg** [from 1804: **Göran**] (1780-1851), Swedish botanist; Dr. med. Uppsala 1806; botanical demonstrator Uppsala 1814; titular professor 1826; regular professor of botany and medicine ib., succeeding C.P. Thunberg 1829; travelled in Pommern 1796, Gotland 1799, Lapland and northern Norway (1800, 1802, 1807, 1810), Germany, Switzerland, Austria and the Carpathics (Hungary) 1811-1814; early plant geographer and staunch Linnaean. (*Wahlenb.*).

HERBARIUM and TYPES: UPS, UPS-Thunb.; other material in B (mainly destr.), BM, C, CGE, GOET, H, KIEL, LD (3000), M, MANCH, PH, S, SBT (Carex, orig.), WRSL. – A mss. *autobiography* by W. is at UPS-UB (see Palmblad (1852); *diaries and notebooks* (Southern Sweden 1821) in UPS-UB. – *Letters* Kalmar Stifts- och Gymnasiebibl. (2).

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 512; Barnhart 3: 619; BL 2: 479, 549, 729; BM 5: 2249-2250, 8: 1383; Bossert p. 423; CSP 6: 234-235; De Toni 1: cxxvii, 2: cxix; DSB 14: 116-117 (G. Eriksson); DTS 1: 318, 6(4): 205-206; Frank 3 (Anh.): 110; GR p. 483-484, *pl.* [39], cat. p. 73; Hawksworth p. 186; Hegi 5(2): 1341, 6(1): 388; Herder p. 168, 193, 195, 196, 326; Hortus 3: 1206; Jackson p. 126, 335, 339, 344; Kanitz no. 107; Kelly p. 235; KR p. 741-745 (b. 1 Oct 1780, d. 22 Mar 1851); Lasègue p. 318, 337, 392, 403, 427, 502; LS 28171-28175; MD 235-237; MW p. 518; NI 2092; Nordstedt p. 31; Plesch p. 454; PR 9910-9918, and see indexes, ed. 1: 10882-10895 and see indexes; Quenstedt p. 449; Rehder 5: 897; SBC p. 134; SO add. 829c, d, 2659, 2691-2692; Sotheby 800; Stevenson p. 1261; TL-1/947, 1377-1378; TL-2/1871, 9938, 14.352 (no. 22), see L.L. Laestadius, C.P. Thunberg (herb.); TR 1537-1540; Tucker 1: 727; Urban-Berl. p. 269, 292, 316, 407; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Aberstén, S., Göteborgs K. Vet.-Vitterh.-Samh. Handl. ser. 4. 32(2): 29. 1928.
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Almquist, E., Flora Upsaliensis 14-16. 1965.
Anon., Bot. Zeit. 9: 376. 1851 (d.), 10: 392. 1852 (reorganization professorships after W.'s death; E. Fries, so far teaching "Oeconomia practica", now teacher botany and practical economy); Brit. Mus. gen. cat. print. books 251: 591-592. 1965; Flora 34: 319. 1851 (d.); Österr. bot. W. 1: 185. 1851 (d.); Proc. Linn. Soc. London 2: 143-145. 1852 (1853).
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Erdtman, G., Sv. Linnésällsk. Årsskr. 28: 42, 45 (portr.), 46. 1945.
Eriksson, G., Bot. hist. Sverige 273, 318. 1969; Elias Fries och den romantiska biologien, Lychnos Bibl. 20: 98, 158, 180, 188, 249, 285, 286, 288-291, 297, 301, 304, 306, 307, 309-313, 322, 324, 330, 424, 430, 436, 443. 1962.
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Krook, H., Nationen och hembygden 8: 188-211. 1960; Angår oss Linné? 104-115. 1971.
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Wikström, E., Årsberättelse 1829: 179. 1831, 1851: 295, 296. 1855; K. Sv. Vet.-Akad. Handl. 1851: 431-505. 1853 (obit., bibl.).

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COMPOSITE WORKS: (1) Editor of J.W. Palmstruch, *Svensk botanik* 9(4-12), 1823-1825, 1826-1829 and 11(1-3), 1830, TL-2/7247.
(2) Pehr Conrad Afzelius (1817-1850), author *Novitiae florae Gotlandicae P.I.* 1844, diss., p. [1]-16, defended under Wahlenberg.
(3) Carl Andersson (1818-1846), author, *Observationes stirpium circa Christinehamn provenientium*, 1842, diss. p. [1]-10, defended under Wahlenberg.
(4) Magnus Huss (1807-1890), author, *Om möjligheten att, enligt vegetabiliernes naturliga analogier, a priori bestämma deras egenskaper* och verkningar på menskliga organismen, 1834, diss. part 1, p. [1]-16, [17-18], defended under Wahlenberg.
(5) Carl Josua Wretholm (1802-1866), author, as (4) part 2, 1834, p. [1]-19-31 [33-34], defended under Wahlenberg.
(6) Carl Fredrik Säve (1812-1876), *Syn. fl. Gothl.* see TL-2/9983, defended under Wahlenberg as praeses.

COMMEMORATIVE MEDAL: 1862, cast by R. Swed. Acad. Sci., impressed by Lea Ahlborn.

EPONYMY (genera): *Wahlenbergia* H.A. Schrader ex A.W. Roth (1821, *nom. cons.*); *Wahlenbergia* Blume (1823); *Wahlenbergia* H.C.F. Schumacher (1827); (journal): *Wahlenbergia*, Scripta Botanica Umensia. University of Umeå, Sweden. Vol. 1-x. 1975-x.

**16.516.** *Geografisk och ekonomisk beskrifning om Kemi Lappmarki* Vesterbottens höfdingedöme. Med geografisk karta ... Stockholm (Tryckt hos Carl Dehlén) 1804. (*Geogr. beskr. Kemi Lappm.*).
*Publ.*: 1804, p. [1]-77, [1, err.], map. *Copy*: Peterson.

**16.517.** *Tractatio anatomica* de sedibus materiarum immediatarum in plantis. Quam praeside C.P. Thunberg ... pro gradu medico in Academia Upsaliensi publico subjicit examini auctor Georg. Wahlenberg ... In Auditorio botanico d. iv Jun. mdcccvi hor. ante post merid. sol. Upsaliae (Typis Edmannianis) [1806]. Qu. (4 parts 1806-1807). (*Tract. anat.*).
*Authorship*: G. Wahlenberg author of all four parts; first part defended by Wahlenberg under C.P. Thunberg; parts 2-4 defended by C. Svedelius, J.U. Nyberg, S. Kjellberg.
[*1*]: 4 Jun 1806, p. [i-ii], [1]-24, [25], 26.
*2*: 3 Dec 1806, p. [i-ii], [25], [26]-38. – "*Tractatio* ... plantis. Cujus sectionem secundam ... publice proponit Georg. Wahlenberg M. Doct. ... respondente Casparo Svedelio".
*3*: 8 Dec 1806, p. [i-ii], [39]-58. – "*Tractatio* ... plantis. Cujus sectionem tertiam ... publice proponit Georg. Wahlenberg M. Doct. ... respondente Johanne Ulr. Nyberg ..."
*4*: 11 Mar 1807, p. [i-ii], [59]-74. – "*Tractatio* ... plantis. Cujus sectionem quartam ... publice proponit Georg Wahlenberg M. Doct. ... respondente Svenone Kjellberg ..."
*Copies*: B-S, LC, LD-UB, NY, Peterson, USDA. – See KR p. 744, no. 24 for Swedish and German revisions. – The B-S copy has a general t.p. and index, p. [i-ii] to the four parts: *De Sedibus materiarum immediatarum in plantis tractatio* ... Upsaliae (Typis Edmannianis) 1806 et 1807.

**16.518.** Georgii Wahlenberg ... *Flora lapponica* exhibens plantas geographice et botanice consideratas, in Lapponiis suecicis scilicet Umensi, Pitensi, Lulensi, Tornensi et Kemensi nec non Lapponiis norvegicis scilicet Nordlandia et Finmarkia utraque indigenas, et itineribus annorum 1800, 1802, 1807 et 1810 denuo investigatas ... Berolini (in Taberna Libraria Scholae realis) 1812. Oct. (*Fl. lapp.*).
*Publ.*: Apr-Mai 1812 (p. [iii]: 20 Dec 1811; Allg. Konst. Letterb. 3 Jul 1812; Leipzig Easter Fair 1812), p. [i]-lxvi, chart to p. lxv, col. map, ("1"), chart temp. ("2"), [1]-550, *pl. 1-30* (uncol. copp. author). *Copies*: B, BR, G, H, HH, LD, MICH, MO, NY, PH, US, USDA; IDC 5797. – *Note* (by O. Almborn): A fundamental work in plant

geography. In the "Introductio" and the "mappa botanico-geographia" terms such as Lapponia (regio) alpina, r. subalpina, r. subsylvatica, r. sylvatica and limes nivalis are here used for the first time.

*Supplement*: 1826 see S.C. Sommerfelt, *Supplementum Florae Lapponicae* ... Christianiae (Typis Borgianis et Gröndahlianis). Oct., see TL-2/12.418.

**16.519.** Georgii Wahlenberg ... *De vegetatione et climate in Helvetia septentrionali* inter flumina Rhenum et Arolam observatis et cum summi septentriones comparatis tentamen ... Turici Helvetorum [Zürich] (Impensis Orell, Fuessli et Socc.) 1813. (*Veg. clim. Helv. sept.*).

*Publ.*: 1813 (p. [iii]: 8 Mar 1813), p. [i]-xcviii (Vegetatio et clima Helvetiae septentrionalis), [1]-200 (Plantae in Helvetia septentrionali ... anno 1812 observatae), *pl. 1-3* (chart altit., id. temp., bot. pl.). *Copies*: B-S, G, H, HH, LD, NY, USDA.

**16.520.** Georgii Wahlenberg ... *Flora carpatorum principalium* exhibens plantas in montibus carpaticis inter flumina Waagum et Dunajetz eorumque ramos Arvam et Popradum crescentes, cui praemittitur tractatus de altitudine, vegetatione, temperatura et meteoris horum montium in genere ... Göttingae [Göttingen] (impensis Vandenhöck et Ruprecht) 1814. Oct. (*Fl. carpat. princ.*).

*Publ.*: late 1814 (p. [iii]: 29 Aug 1814; Sayre (SY p. 50) could find as earliest date of publication 9 Apr 1815, date of Leipzig Easter Fair), p. [i]-cxviii, [1, err.], [1]-408, *pl. 1-4* (1: map, 2: chart, 3-4: plants). *Copies*: B, B-S, BR, G, H, HH, LD, M, MO, NY(2), U, USDA; IDC 5798.

*Ref.*: Györffy, Szepesi Hírnök 52(13): 1-3. 1914.

**16.521.** *Flora upsaliensis* enumerans plantas circa Upsaliam sponte crescentes. Enchiridion excursionibus studiosorum upsaliensium accomodatum ... Upsaliae (Typis et impensis R. Acad. Typographorum) 1820. Oct. (*Fl. upsal.*).

*Publ.*: 1820 (Flora 21 Nov 1820, first publ.), p. [i*], [i]-vii, [viii], [1-2, expl. folded loose map (often lacking), err.], map, [1]-495. *Copies*: B-S, BR, FH, G, H, HH, M, MICH, MO(2), NY, PH, US, USDA.

*Ref.*: Anon., Flora 4(2): 445-456. 7 Aug 1821 (rev.).
Sprengel, V.P.J., Neue Entd. Pflanzenk. 2: 253-255. 1821 (rev.).

**16.522.** *Ytterligare Anmärkningar om Ölands Natur* ... Stockholm (Tryckte hos J.P. Lindhs Enka) 1822. Oct.

*Publ.*: 1822, p. [1]-16. *Copies*: BR, G. – Reprinted and to be cited from Sv. Vet.-Akad. Handl. 1821(2): 305-319. – Appendix to A. Ahlquist, *Anmärkningar om Ölands fysiska beskaffenhet och vegetation* ib. 1822(2): 278-304.

**16.523.** *Flora suecica* enumerans plantas Sueciae indigenas cum synopsi classium ordinumque, characteribus generum, differentiis specierum, synonymis citationibusque selectis, locis regionibusque natalibus, descriptionibus habitualibus nomina incolarum et qualitates plantarum illustrantibus post Linnaeum edita ... Upsaliae (suis expensis excudebant Palmblad & C.) ... 1824-1826. 2 parts. Oct. (*Fl. suec.*).

*1*: Oct-Dec 1824 (p. iv: cal. Oct 1824; offered for sale in Stockholm early Mai 1825 fide Mém. Soc. Linn. Paris 4(3): 52. 1826, see MD p. 235-237; Flora 28 Mai 1825 out but not yet seen), p. [i-iv], [1]-428.

*2*: 1826 (p. xxvi: Feb 1826; Flora 28 Jun 1826 corr. Stockholm: not yet out, nearly ready; Linnaea rev. 1: 642. Oct-Dec 1826), p. [ii-iii, p. ii*: t.p. for part 2; p. iii: general t.p. for complete volume "Flora suecica ... indigenas post Linnaeum edita ... Upsaliae (id.) 1826"], these also separate and bound as [i, iii], p. [i]-lxxxviii, 429-1117, chart.

*Copies*: B, B-S, BR, FH, G, H, HH, KNAW, LD, LIV, M, MICH, NY(2), PH, Stevenson, USDA.

*Ed. 2*: 1831-1832, 2 parts. "Auctior et emendatior denuo impressa" Upsaliae (Impensis Palmblad & C.). *Copies*: HH, LD, NY, Peterson, US(2), USDA.

*1*: 1831, p. [i*], [i]-xcvii, [1]-445, tab.

*2*: 1833 (p. xxiv: Aug 1833), p. [i*], 447-1134. – The set of pages [i]-xcvii may be bound either in vol. 1 or vol. 2.

*Novitiae florae suecicae* by E.M. Fries, *ed. altera*, 1828, TL-2/1871 is a commentary on Wahlenberg's flora.

**Wahlstedt, Lars Johan** (1836-1917), Swedish botanist and lecturer; studied at Lund 1856-1862; Dr. phil. 1862; head of the botanical garden Lund 1862-1864; lecturer in natural sciences and Swedish at Kristianstad college 1865-1905. (*Wahlstedt*).

HERBARIUM and TYPES: LD; further material (incl. exsicc.) at AK, B (mainly destr.), BR, C, DBN, E, F, GR, GOET, H, JE, K, LD, MANCH, MPU, MW, OXF, W, WRSL. – *Exsiccatae*: (1) With C.F.O. Nordstedt, *Characeae scandinavicae exsiccatae* fasc. 1-3, nos. 1-120, 1871-1874, see under Nordstedt.
(2) With L.M. Neuman and S.S. Murbeck, *Violae Sueciae exsiccatae*, fasc. 1-2, 1886, 1893, nos. 1-60, see under Neuman.
(3) With E.F.A.W. Migula and P. Sydow, *Characeae exsiccatae* fasc. 1-6, nos. 1-150, 1892-1901, see under Migula.
(4) With Bengt Jönsson (1849-1911), *Urval af svenska fodergräs*, Lund 1884 (2 p., 32 plants) and *Urval af svenska foderbaljväxter*, Lund 1886 (2 p., 32 plants).

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2250; Clokie p. 260; CSP 8: 1181, 11: 735, 19: 434; Herder p. 62; IH 1 (ed. 6): 365, (ed. 7): 345, 2: 537, 589, 602; Jackson p. 332; Kleppa 95, 96; KR p. 746; Morren ed. 10, p. 104; PR 9919; TL-2/see indexes; Urban-Berl. p. 272, 407.

BIOFILE: Anon., Hedwigia 59: (141). 1917 (d.); Generalregister Bot. Not. 1849-1938: 78. 1939; Bot. Not. 1871: 197, 1917: 143-144 (obit., portr.); Nuova Notarisia 39: 124. 1918 (d.).
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Wood, R.D., Monogr. Charac. 1: 848. 1965.

**16.524.** *Bidrag till kännedomen om de skandinaviska arterna af växt familjen Characeae.* Akademisk afhandling, som med vidtberömda Phil. Facultetens i Lund tillstånd, för vinnande af lagerkransen, kommer att offentligen försvaras af Lars Joh. Wahlstedt ... å vanligt ställe, onsdagen den 21 Maj 1862, kl. 3 e. m ... Lund (Tryckt uti N.P. Lundbergs Boktryckeri) 1862. Oct. (in 4-s). (*Bidr. skand. Charac.*).
*Publ.*: 21 Mai 1862, p. [i]-viii, [1]-43. *Copies*: B, H, LD, NY, US.
*Ref.*: L.R., Hedwigia 3(7): 102-104. 1864.

**16.525.** *Om Characeernas knoppar* och öfvervintring. Botanisk afhandling [for lecturership Kristianstad], hvelkenjemte satser i de öfriga naturvetenskaperna och modersmålet, med högvördiga Domkapitlets i Lund samtycke, till offentlig granskning framställes ... 28 September 1864 ... Lund (Håkan Ohlssons Boktryckeri) 1864. Oct. (*Charac. knopp.*).
*Thesis issue*: 28 Sep 1864, p. [i-ii], [1]-48, [i]-v theses. *Copy*: LD.
*Commercial issue*: Sep 1864, p.[i], [1]-48. *Copies*: Almborn, B, B-S, GB, H, LD, NY, US; IDC 6415. – "Om Characeernas knoppar och öfvervintring. Botanisk afhandling af L.J. Wahlstedt, ..." Lund (id.) 1864. Oct.

**16.526.** *Berättelse öfver en botanisk resa* till norra delarne af Vestergötland och angränsande delar af Nerike, med understöd af K. Vetenskaps-Akademien utförd under sommaren 1866 ... Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar 1867. N:o 1. Oct.
*Publ.*: 1867, p. 3-10. *Copies*: B(2), G, LD. – Reprinted from Öfv. K. Vet.-Akad. Förh. 1867(1): 3-10.

**16.527.** *Monografi öfver Sveriges och Norges Characeer* ... Christianstad (Boktryckeri-Aktie-Bolagets Tryckeri) 1875. Oct. (*Monogr. Sv. Norg. Charac.*).
*Publ.*: 1875 (Bot. Zeit. 19 Nov 1875; J. Bot. Nov 1875), p. [i], [1]-37. *Copies*: B, FAS, H, LD, NY, Peterson, PH. – Reprinted from Christianstads Högre Elementar-Läroverks Inbjudningsskrift för år 1875.
*Follow-up*: *Förteckning öfver Norska Characeer*, Nyt Mag. Naturv. 47: 285-288. 1909.

**Wahlström, Johan Erik** (1821-1892), Swedish botanist and high school teacher; studied in Uppsala 1842-1848; Dr. phil. 1848; teacher at Stockholm 1856-1888. (*Wahlström*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 449; BL 2: 549, 729; BM 5: 2250; KR p. 747 (b. 12 Apr 1821, d. 22 Feb 1892); PR 9921; Rehder 1: 355; TL-2/see J.A. Schagerström.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 251: 598. 1965.

**16.528.** *Plantarum vascularium in regione Telgae borealis* sponte crescentium synopsis, quam venia ampliss. Facult. philos. Upsal. p.p. Mag. J.A. Schagerström et auctor Johannes E. Wahlström ... in Audit. Gustav. die viii dec. mdcccxlvii h.a.m.s. P.I. [-III]. Upsaliae (Wahlström &C.) 1847. Oct. (*Pl. vasc. Telg. bor.*).
*1*: 8 Dec 1847, p. [i-iv], [1]-14. – Wahlström author and respondens.
*2*: 8 Dec 1847, p. [i-iv], 15-28. – Respondens Conr. Th. Hjerpe.
*3*: 11 Dec 1847, p. [i-iv], [29]-40. – Respondens Andreas Petrus Anderstedt.
*Copies*: G, HH, Peterson, USDA.
*Notes*: The work was also issued separately in 1847 (p. 1-40) without dissertation titles and dedications fide KR. No copy seen by us. – "Telgae borealis" stands for Norrtälge, north of Stockholm.

**Wahnschaffe, [Gustav Albert Bruno] Felix** (1851-1914), German (Prussian) geologist; studied natural sciences at Leipzig 1871-1874, at Jena 1874-1875; Dr. phil. Jena 1875; temporary assistant at the Königliche Geologische Landesanstalt und Bergakademie, Charlottenburg, Berlin 1875-1878, regular assistant 1878-1886; "Landesgeologe" ib. 1886; Habil. Univ. Berlin 1886, from 1892 with the title professor; divisional director ib. 1903-1914. (*Wahnschaffe*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 449 (b. 27 Jan 1851); BM 5: 2250-2251; Christiansen p. 321 [index]; Quenstedt p. 449 (d. 20 Jan 1914); Tucker 1: 727.

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Griesbach, H., Med. Wörter- und Nachschlagebuch 282. 1927.
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Schmid, B. & C. Thesing, Biol.-Kalend. 1: 336. 1914.
Zittel, K.A. v., Hist. geol. palaeontol. 540. 1901.

**16.529.** *Der Grunewald bei Berlin* gemeinverständlich dargestellt ... mit einem Anhang: Kultureinflüsse und Moor ... Jena (Verlag von Gustav Fischer) 1907. Oct.
*Authorship*: F. Wahnschaffe, P. Graebner (bot.), Fr. Dahl (zool.); *Anhang*: H. Potonié.
*Ed. 1*: 1907 (p. [3]: 6 Jun 1907), p. [1]-56. *Copies*: B, HH.

*Ed. 2*: 1912 (Bot. Centralbl. 4 Feb 1913), p. [1]-82. *Copy*: G. – Author for zoology: R. v. Hanstein.

**Wahrlich, Woldemar [Karlowitsch]** (1859-1923), Russian pharmacist; assistant pharmacist's examination Moscow 1877; studied medicine and pharmacy at Moscow University 1877-1879; assistant at the Moscow Botanical Institute and Garden 1879-1884; studied at the Kaiser-Wilhelms-Universität Strassburg with A. de Bary 1884-1886; Dr. phil. ib. 1886; lecturer at the Veterinary Institute Dorpat 1888; professor at the Military Medicinal Academy at St. Petersburg from 1923. (*Wahrlich*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 449; Biol.-Dokum. 18: 9707; GR p. 568; Kelly p. 235; LS 28176-28181, 40375-40375a; Rehder 3: 657.

BIOFILE: Wahrlich, W., Beitr. Kenntn. Orchid.-Wurzelpilz. p. [13], vita. 1886.

**16.530.** *Beitrag zur Kenntniss der Orchideenwurzelpilze.* Inaugural-Dissertation der mathematischen und naturwissenschaftlichen Facultät der Kaiser-Wilhelms-Universität Strassburg zur Erlangung der Doctorwürde vorgelegt ... [Leipzig (Druck von Breitkopf & Härtel)] 1886. Oct. (*Beitr. Kenntn. Orch.-Wurzelpilz.*).
*Publ.*: 16 and 23 Jul 1886 (in journal), p. [1]-12, [13, vita], *3 pl. Copies*: BR, H, Stevenson. – Reprinted (preprinted?) from Bot. Zeit. 44: 481-488. 16 Jul, 497-505, *pl. 3.* 1886.

**Waisbecker, Anton** (1835-1916), Hungarian botanist; practicing physician, later also regional physician in Güns (Köszeg). (*Waisb.*).

HERBARIUM and TYPES: BP (10.000). – Some further material in A, E. – *Letters* in G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 784; Barnhart 3: 450 (b. 29 Jan 1835, d. 4 Apr 1916); BFM 940, 941, 942; Bossert p. 423; IF 736; Rehder 2: 305.

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Szinnyei, J., Magy. írók 14: 1398-1399. 1914.

**16.531.** *Köszeg és vidékének edényes növényei* ... Köszeg (A szerzö tulajdona ...) 1882. Oct.
*Ed. 1*: 1882, p. [1]-47. – The Phanerogams of the town of Köszeg and vicinity.
*Ed. 2*: 1891 (p. 3: 4 Aug 1891), cover-t.p., p. [1]-70. *Copies*: B, G.

**16.532.** *Zur Flora des Eisenburger Comitats* ... (Separat-Abdruck aus der "Oesterr. botan. Zeitschrift" ... 1891]. Oct.
*Publ.*: Aug & Sep 1891 (in journal), p. [1]-4. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 41: 278-279. Aug, 298-300. Sep 1891.
*Beiträge zur Flora des Eisenburger Comitates, 1893*: Aug, Sep, Oct 1893, p. [1]-7. *Copy*: B. – Id. 43: 281-282. Aug, 317, 319. Sep, 354-357. Oct 1893.
*Id. 1895*: Mar, Apr 1895, p. [1]-5. *Copy*: B. – Id. 45: 109-111. Mar, 143-145. Apr 1895.
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*Id. 1899(1)*: Feb, Mar, Apr 1893, p. [1]-14. *Copy*: B. – Id. 49: 60-67. Feb, 106-108. Mar 186-190. Apr 1899.
*Id. 1899(2)*: Dec 1893, p. [1]-6. *Copy*: B. – Id. 49: 437-442. 1899.
*Id. 1901*: Apr 1901, p. [1]-7. *Copy*: B. – Id. 51: 125-132. 1901.
*Neue Beiträge* ...: Mar 1903, p. [1]-9. *Copy*: B. – Reprinted and to be cited from Magy. bot. Lap. 2: 63-79. 1903 (journal: Hung. and German). Continued 3: 88-108. 1904.
*Farne*: 1902, id. 1: 141-147, 168-178, 204-210, 237-248. 1902.

*Continuation*: see below TL-2/16.533.

**16.533.** *Uj adatok Vas vámegye flórájához* ... Budapest (Pallas Részvénytáksaság Nyomdája) 1904. Oct.
[*1*]: Mar-Mai 1904, cover-t.p., p. [1]-22. *Copy*: B. – Reprinted and to be cited from Magy. bot. Lap. 3: 88-108. 1904. – Also as *Neue Beiträge zur Flora des Eisenburger Comitats in West-Ungarn.*
[*2*]: Apr-Mai 1905, cover-t.p., p. [1]-25. *Copy*: B. – Id. 4: 54-78. 1905. "... Zur Flora des Comitats Vas ..."
[*3*]: Jan-Mar 1908, cover-t.p., p. [1]-20. *Copy*: B. – Id. 7: 41-60. 1908.

**Wakefield, Elsie Maud** (1886-1972), British botanist (mycologist); studied at Oxford and München (with Tubeuf); assistant Herbarium, Royal Botanic Gardens Kew 1910; temporarily mycologist at Imp. Dept. Agric. W. Indies, Barbados 1920-1921 while Mary Ewart Travelling Scholar; deputy keeper Kew 1945-1951. (*Wakef.*).

HERBARIUM and TYPES: K. – Further material at E. Manuscripts at K.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 126, 283, 324; Barnhart 3: 450; Bossert p. 423; Desmond p. 633 (b. 3 Jul 1886, d. 17 Jun 1972); Hawksworth p. 186; Kelly p. 236, 259; Kleppa p. 113; Lenley p. 426; LS 40388, suppl. 4138, 4139, 5752, 29134-29170; Roon p. 120; Stevenson p. 1261.

BIOFILE: Anon., Biol. J. Linn. Soc. 5(4): 392-393. 1973 (obit. not.); Bull. misc. Inf. Kew 1910: 64 (appointment assistant Kew), 1921: 30 (temporarily [1920-1921] mycologist Imp. Dept. Agric. W. Indies Barbados); Kew Bull. 1946: 3 (deputy keeper 1945, succeeding T.A. Sprague); Taxon 1: 99. 1952 (retirement); The Times 5 Jul 1972.
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(2) Editor and p.p. author, *Nomina generica conservanda.* Contributions from the nomenclature committee of the British Mycological Society. II. ... Reprinted from the Transactions of the British Mycological Society, vol. xxiii, part iii [p. 281-292]. 1939.

NOTE: Outside our period: With R.W.G. Dennis, *Common British fungi* 1950; *Observer's book of common fungi* 1954.

EPONYMY: *Wakefieldia* Corner et Hawker (1953); *Wakefieldiomyces* Y. Kobayasi (1981).

**16.534.** *Über die Bedingungen der Fruchtkörperbildung bei Hymenomyceten*, sowie das Auftreten fertiler und steriler Stämme bei denselben ... [Stuttgart (Verlag von Eugen Ulmer)] 1909).
*Publ.*: 1909, cover-t.p., p. [521]-551, *pl. 2. Copy*: Stevenson. – Reprinted and to be cited from Naturw. Z. Forst- Landwirtsch. 7(11): 521-551. *pl. 2.* 1909.

**16.535.** *Some notes on the genera of the Thelephoraceae* ... [Worcester (Ebenezer Baylis & Son, ...) 1914]. Oct.
*Publ.*: 28 Mai 1914 (in journal; J. Bot. Jul 1914), cover, p. 301-307. *Copy*: Stevenson. – Reprinted and to be cited from Trans. Brit. Mycol. Soc. 4(2)(for 1913): 301-307. 1914.

**16.536.** *Some new British Hymenomycetes* ... [Worcester (Ebenezer Baylis & Son, ...) 1914]. Oct.
*Publ.*: 1914, cover, p. 126-134. *Copy*: Stevenson. – Reprinted and to be cited from Trans. Brit. Mycol. Soc. 1914: 126-134.

**16.537.** *On a collection of fungi from Australia and New Zealand* ... Royal Botanic Gardens, Kew ... 1915. Oct.
*Publ.*: Sep 1915, cover-t.p., p. [361]-376, *pl. 1-2*. *Copy*: NY. – Reprinted and to be cited from Bull. misc. Inf. Kew 1915(8): [361]-376, *pl. 1-2*.

**16.538.** *Additional resupinate Hymenomycetes from the Weybridge District* ... Cambridge (at the University Press) 1919. Oct.
*Publ.*: 19 Sep 1919, cover-t.p., p. [136]-143. *Copy*: NY. – Reprinted and to be cited from Trans. Bot. mycol. Soc. 6(2): 136-143. 1919.

**16.539.** *Fungi of New Caledonia* and the Loyalty Islands ... Berlin and Wiesbaden (C.ns Kriedel's Verlag) 1920. Qu.
*Publ.*: 1920, cover-t.p., p. [i-iii], [89]-108. *Copies*: G, NY. – Reprinted and to be cited from H. Schinz & A. Guillaumin, Botanik, *in* F. Sarasin & J. Roux, Nova Caledonia B-1(2): 87-108. 1920. See TL-2/10.288.

**16.540.** Contributions to the flora of tropical America: xxi. *Fungi collected in British Guiana*, chiefly by the Oxford University Expedition, 1929 ... [Royal Botanic Gardens, Kew ... 1934]. Oct.
*Publ.*: 3 Aug 1934, p. 238-258. *Copy*: Stevenson. – Reprinted and to be cited from Bull. misc. Inf. Kew 1934(6): 238-258.

**Wakefield, Priscilla** (née Bell)(1751-1832), British author and philanthropist; early promoter of savings banks; writer of children's books and popular books on science and travel. (*P. Wakef.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 450; BB p. 312; BM 5: 2251, 8: 1385; Desmond p. 633 (b. 31 Jan 1751, d. 12 Sep 1832); DNB 20: 455-456 (58: 455-456); Henrey 2: 310, 581-582, 584, 3: nos. 1460-1470; Jackson p. 36; Plesch p. 454; PR 9925, ed. 1: 10898; Rehder 1: 93; SO 760a-d; Tucker 1: 728, 3: 325.

BIOFILE: Allibone, S.A., Crit. dict. Engl. Lit. 3: 2536. 1880.
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**16.541.** *An introduction to botany*, in a series of familiar letters, ... London (E. Newberry, ...) 1796. Duod. (*Intr. bot.*).
*Ed. 1*: 1796, p. [i*-ii*], [i]-xiii, [1]-184, *pl. 1-11*, [*12*], table. *Copies*: Natl. Libr. Ireland, LC.
*Ed. 1* (Dublin): 1796, p. [i]-xiv, [1]-186, *pl. 1-11*, table. (n.v.).
*Ed. 2*: 1798, p. [i]-xv, [17]-200, *pl. 1-11*, table. *Copy*: USDA.
*Ed. 3*: 1803, p. [i]-xii, [1]-179, [180], *pl. 1-11*, table. *Copies*: NY, PH. – London (printed by and for Darton and Harvey, ...). Duod.
*Ed. 4*: n.v.
*Ed. 5*: 1807, p. [i]-xii, [1]-180, *pl. 1-11*, table. *Copies*: B-S, NY. – London (id.). Duod.

*Amer. ed.*: 1811, p. [i]-xii, [1]-216, 2 tables, *pl. 1-12. Copies*: FAS, HH, NY. – "The first American from the fifth London edition. To which is added, an appendix, ... a catalogue ... and a glossary of technical terms". Boston (published by J. Belcher, ...) 1811. Duod.

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*Ed. 8*: 1818, p. [i]-xii, [1]-187, *pl. 1-9. Copies*: HH, NY. – "... to which is added [p. 181-187], *The pleasures of botanical pursuits*. A poem by Sarah Hoare. London (printed for Darton, Harvey & Co. ...). Duod.

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*Ed. 9*: 1823, p. [i]-xii, [1]-187, *pl. 1-9. Copy*: NY. – London (printed for Harvey, and Darton; ...) 1823.

*Ed. 10*: 1831, n.v.

*Ed. 11*: 1841, p. [i]-xxiii, [xxiv, err.], [1]-220, *pl. 1-9. Copies*: MO, NY. – "With considerable alterations. To which is added an appendix, ..." London (Harvey and Darton; ...) 1841. Duod.

*French translation*: 1802, iv, 232 p., *Flore des jeunes personnes* ... Paris an X, 1802. Translated by O. Ségur (n.v.).

**Wakker, Jan Hendrik** (1859-1927), Dutch botanist, phytopathologist and plant breeder; Dr. phil. Amsterdam 1885 (student of Hugo de Vries); at the Zoological Station, Naples 1885; working at the Botanical Laboratory, Univ. Amsterdam 1885-1887; assistant at the botanical laboratory, Univ. Utrecht 1887-1889; teacher at Alphen-Oudshoorn 1889-1891; director of the Sugar Experiment Station East Java 1892-1897; high school teacher in 's Hertogenbosch, Netherlands 1897-1925. (*Wakk.*).

HERBARIUM and TYPES: L (orig.).

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 283, 348; Barnhart 3: 450 (b. 28 Jun 1859); Biol.-Dokum. 18: 9707; CSP 19: 438; De Toni cxxvii; JW 1: 449, 3: 375; LS 28223-28248, 40389; Rehder 5: 897; Stevenson p. 1261.

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Sirks, M.J., Indisch natuuronderzoek 269, 270. 1915.
Verdoorn, F., ed., Chron. bot. 2: 236. 1936.
Went, F.A.F.C., Vakbl. Biol. 9: 11-17. 1927 (obit., bibl.); Indische Mercuur 10 Aug 1927, no. 32 (obit.).
Whetzel, H.H., Outline hist. phytopath. 61, 68. 1918.

**16.542.** *Onderzoekingen over adventieve knoppen.* Academisch proefschrift ter verkrijging van den graad van Doctor in de Plant- en Dierkunde, aan de Universiteit van Amsterdam, ... voor de Faculteit te verdedigen op Donderdag 5 Maart 1885, des namiddags te 3 ure, ... Haarlem (gedrukt bij W.H. Woest) [1885] Oct. (*Onderz. advent. knopp.*).
*Publ.*: 5 Mar 1885, p. [i-vii], [1]-106. *Copies*: B, G.

**16.543.** *Die Neubildungen an abgeschnittenen Blättern* von Caulerpa prolifera ... Amsterdam (Johannes Müller) 1886. Oct.
*Publ.*: 1886, cover-t.p., p. [1]-14, *1 pl. Copy*: FAS. – Reprinted and to be cited from Versl. Meded. K. Akad. Wet., Afd. nat. ser. 3. 2: 251-264. 1886.
*Ref.*: Noll, F., Bot. Zeit. 44: 853-854. 17 Dec 1886 (rev.).

**16.544.** *Bau und Dickenwachsthum des Stengels von Abrus precatorius* ... [Leipzig (Druck von Breitkopf & Härtel) 1889]. Oct.
*Publ.*: 29 Sep 1889, p. [1]-5, *pl. 9* (uncol. lith. auth.). *Copy*: FAS. – Reprinted and to be cited from Bot. Zeit. 47: 629-638. 29 Sep 1889.

**16.545.** *De ziekten van het suikerriet op Java*, die niet door dieren veroorzaakt worden, ... Leiden (Boekhandel en Drukkerij voorheen E.J. Brill) 1898. Oct. (*Ziekt. suikerriet Java*). *Co-author*: Friedrich August Ferdinand Christian Went (1863-1935).
*Publ.*: Jan-Mar 1898 (Nat. Nov. Apr(1) 1898; Flora 9 Aug 1898), p. [i*-ii*], [i]-viii, [1]-217, *pl. 1-25* (p.p. col. liths.). *Copies*: B, BR.

**Walcott, Charles Doolittle** (1850-1927), American palaeontologist with the U.S. Geological Survey 1879-1894; director of the Survey 1894-1907; secretary of the Smithsonian Institution 1907-1927; president of the National Academy of Sciences 1917-1923; founder of the National Research Council. (*C. Walcott*).

HERBARIUM and TYPES: US. – Archival material SIA. – Other *letters* in FH.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 344; BM 5: 2252-2253, 8: 1385; DSB 14: 120-121 (E.L. Yochelson); Ewan ed. 1: 329, ed. 2: 229-230; Herder p. 435; ME 672, 674, 713; NW p. 60; PH p. 543 [index]; Quenstedt p. 449-450; Rehder 4: 179; SIA (see indexes); Tucker 1: 728, 3: 325.

BIOFILE: Anon., Amer. men sci., eds. 1-3, 1906-1921; Index Amer. bot. lit. 1886-1966. 4: 443. 1969; Natl. Cycl. Amer. biogr. 22: 135-137. 1932; Nature 81: 13. 1909, 119: 325-326. 1927 (obit.); New York Times 10 Feb 1927; Who's who Amer. 1-15. 1849-1929; Who's who in the Nation's Capital ed. 1: 407. 1921-1922, ed. 2: 391. 1923-1924; Who's who (London) 1910-1927; Who was who (London) 1916-1929: 1079-1080. 1929.
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Marr, J.E., Geol. Mag. 64: 189-190. 1927 (obit.).
Merriam, J.C., Published papers and addresses, Carnegie Inst. 4: 2007-2011. 1938.
Oehser, P.H., Sons of science 141-166. 1949.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 3: 1407-1408, 4(2): 1588. 1904, 5: 1328. 1926, 6(4): 2796. 1940.
Schuchert, Ch., Science 65: 455-458. 1927; Proc. Amer. Acad. Arts Sci. 62: 276-285. 1928 (obit.).
Smith, G.O., Amer. J. Sci. ser. 5. 14: 1-6. 1927 (obit., portr.); Annu. Rep. Smiths. Inst. 1927: 555-561, *2 pl.* 1928.
Taft, Wm. H. et al., Smiths. misc. Coll. 80(12): 1-37. 1928 (addresses memorial meeting; bibl.).
Yochelson, E.L., Biogr. mem. Natl. Acad. Sci. 39: 471-539. 1967 (biogr., bibl., portr.).
Youmans, W.J., ed., Pop. Sci. Monthly 51: 216. 1897 (portr.), 52 portr. opp. 433, 547-553. 1898, 70: 285-286, 479. 1907.
Zittel, K.A. von, Gesch. Geol. Paläont. 550, 591, 597, 805. 1899; Hist. Geol. palaeont. 392, 408, 440, 445. 1901.

**16.546.** *Pre-Cambrian Algonkian algal flora* ... City of Washington (published by the Smithsonian Institution) 1914. Oct. (*Pre-Cambrian Algonk. alg. fl.*).
*Publ.*: 22 Jul 1914, p. [i], 77-156, *pl. 4-23*. *Copies*: NY, US. – Issued as Smiths. misc. Coll. 64(2). 1914.

**16.547.** *Middle Cambrian algae* ... City of Washington (published by the Smithsonian Institution) 1919. Oct. (*Middle Cambr. alg.*).
*Publ.*: 26 Dec 1919, p. [i], 217-260, *pl. 43-59*. *Copies*: NY, US. – Issued as Smiths. misc. Coll. 67(3). 1919.

**16.548.** *Addenda to descriptions of Burgess shale fossils* ... City of Washington (published by the Smithsonian Institution) 1931. Oct. (*Add. Burgess shale foss.*).

*Publ.*: 29 Jun 1931, p. [i-ii], 1-46, *pl. 1-23*. *Copy*: US. – Smiths. misc. Coll. 85(3), 1931.

**Walcott, John** (1754-1831), British (Irish-born) naturalist at Bath and Highnam Court. (*J. Walcott*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 450; BB p. 312; BM 5: 2253; Desmond p. 633; Dryander 3: 132; GF p. 328; Henrey 2: 136, 3: nos. 12, 1471-1472; Jackson p. 233; NI 2093; PR 9927, ed. 1: 10903; Rehder 1: 395; SO 145d, 1228; Tucker 1: 728.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 251: 771-772. 1965.

EPONYMY: *Walcottia* F. v. Mueller (1859) commemorates Pemberton Walcott, who collected plants in Australia in 1861.

**16.549.** *Flora britannica indigena*: or plates of the indigenous plants of Great Britain: with their descriptions taken from Linnaeus's Systema naturae: to which are added their English names, places of growth, and times of flowering ... Bath (printed and sold by S. Hazard, ...) 1778. Oct. (in 4-s). (*Fl. brit. indig.*).
*Issue* (*1*): 1778, frontisp., p. [i*], [i]-x, [1]-8, [1]-6, [1]-4, [1]-6, *168 pl.* (uncol. copp.). *Copies*: MO, USDA.
*Issue* (*2*): 1778, collection same, imprint "Printed for the author, by S. Hazard, Bath ... 1778. *Copies*: BR, HH, PH.
*Notes*: for a copy with 169 plates see Henrey 12. – The book was published in numbers, see Henrey 2: 136.

**Walcott, Mary Vaux** (1860-1940), American botanical artist; married Charles Doolittle Walcott 30 Jun 1914. (*M. Walcott*).

HERBARIUM and TYPES: US.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 450; NI 2094; PH 564, 567; SIA (see indexes); Tucker 3: 325.

BIOFILE: Anon., Amer. men sci. ed. 6: 1479. 1938; The New York Times 25 Aug 1940 (obit. not.); Washington Star 7 Sep 1940 (bequest).
Howes, D., ed., American Women 1935-1936: 569-570. 1937-1938. 706.
Rossiter, M.W., Women scientists in America 141. 1982.
Williamson, S.H., Who's who in the Nation's Capital 924. 1934-1935.

**16.550.** *North American wild flowers* ... Washington, D.C. (published by the Smithsonian Institution) 1925 (-1927). (*N. Amer. wild fl.*).
*Publ.*: 1925-1928; the five parts are all dated 1925; part 3, however, was published in 1927, fide J. New York Bot. Gard. 29: 148. 1928. The new foreword to part 1 was accompanied by a slip dated 15 Nov 1927 and distributed with part 3.
[*1*]: 1925, p. [i-xi; later issue of foreword: [i-xiii]], [i-iii, cont.], *pl. 1-77, 24a, 31a, 56a* [also 1-80] with text.
[*2*]: 1926(?), [i-vii], *pl. 81-160* with text.
[*3*]: 1927, p. [i-vii], *pl. 161-240* with text.
[*4*]: 1928, p. [i-vii], *pl. 241-320* with text.
[*5*]: 1928, p. [i-vii], *pl. 321-400* with text.
*Copies*: G, NY, USDA.

**16.551.** *Illustrations of North American Pitcherplants* ... Washington, D.C. (Published by the Smithsonian Institution) 1935. (*Ill. N. Amer. Pitcherplants*).
*Text*: by Edgar T. Wherry. Notes on insect associates by Frank Morton Jones.
*Publ.*: 1935, p. [i-vi], *pl. 1-15* with text, 1-34. *Copy*: HH.

**Waldenburg, Ilse** (1908-x), German (Berlin) botanist; studied natural sciences at Berlin and München; Dr. phil. Berlin 1934. (*Waldenburg*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BFM 214, 258; Biol.-Dokum. 18: 9709-9710; Lenley p. 426.

BIOFILE: Waldenburg, I., Flor. Stellung Mark Brandenburg, thesis issue p. [81, vita: "... evangelischen Bekenntnisses und arischer Abstammung"]. 1934.

**16.552.** *Die floristische Stellung der Mark Brandenburg* (dargestellt durch das allgemeine Verhältnis von Florengefälle und Arealform). Inaugural-Dissertation zur Erlangung der Doktorwürde genehmigt von der Philosophischen Fakultät der Friedrich-Wilhelms-Universität zu Berlin ... Tag der Promotion: 28. Februar 1934 [Berlin]. Oct. (*Fl. Stell. Mark Brandenburg*].
*Publ.*: 28 Feb 1934, cover-t.p., p. [i-iii], [1]-80, [81, vita]. *Copies*: B(2), MO. – Preprinted from Verh. bot. Ver. Brandenburg 75(1): 1-80. 15 Jun 1934.

**Waldheim, Stig [Gunnar Anton]** (1911-1976), Swedish bryologist, and plant ecologist, demonstrator of plant ecology at Lund University 1948-1962; Dr. phil. Lund 1948. (*Waldh.*).

HERBARIUM and TYPES: LD. – Other material in C, DPU, GB (dupl., collected with N.P.H. Persson), GH, NMW, S.

BIBLIOGRAPHY and BIOGRAPHY: GR p. 503; SBC p. 134.

BIOFILE: Almborn, O., Bot. Not. 133: 466, 468. 1980.
Anon., Generalreg. Bot. Not. 1839-1938. 78. 1939.
Forsell, S.S., Generalreg. Bot. Not. 1939-1958: 31. 1959.
Fries, R.E., Short hist. bot. Sweden 52. 1950.
Norlind, W. & M. Persson, Lunds Universitets Matrikel 1959-1960: 731-732.
Sayre, G., Bryologist 80: 519. 1977 (coll.).

NOTE: Outside our period: *Die Torfmoosvegetation der Provinz Närke*, publ. 10 Nov 1944, p. [1]-89, [90-91]. *Copy*: LD. – Reprinted from Lunds Univ. Årsskr. ser. 2. avd. 2. vol. 40(6), 1944 and his thesis, *Kleinmoosgesellschaften und Bodenverhältnisse in Schonen*, Lund 1947, issued as Bot. Not. Suppl. 1(1), thesis issue publ. Nov 1947, p. [1]-203. *Copies*: FAS, LD.

**16.553.** *Bladmossfloran i några av Närkes kalktrakter* samt några nya och intressantare bladmossfynd i landskapet ... Lund (Carl Bloms Bokdryckeri) 1935. Oct.
*Publ.*: 28 Mar 1935, cover-t.p., p. [131]-164. *Copy*: G, LD. – Reprinted from Bot. Not. 1935: [131]-164.

**Waldner, Heinrich** (*fl.* 1880), German botanist; teacher at the high school of Wasselnheim, Elsass. (*H. Waldner*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BL 2: 119, 120, 128, 729; BM 5: 2253; CSP 19: 443; Jackson p. 296, 303; Morren ed. 10, p. 29; NI 2095; Rehder 5: 898; Tucker 1: 728.

**16.554.** *Excursionsflora von Elsass-Lothringen.* Autorisirte nach Fr. Kirschleger's Guide du botaniste bearbeitete Ausgabe ... Heidelberg (Carl Winter's Universitätsbuchhandlung) 1876. Oct. (*Excurs.-Fl. Elsass-Lothringen*).
*Publ.*: 1876 (Bot. Zeit. 9 Jun 1876), p. [i]-iv, [1]-125, map. *Copies*: B, G, HH. – Translation of F. Kirschleger, *Guide du botaniste* ... à travers les plaines de l'Alsace et les montagnes des Vosges, *in* his *Flore d'Alsace*, 1850-1862, 3 vols. TL-2/3678.

**16.555.** *Beiträge zur Excursionsflora von Elsass-Lothringen* und Flore vogéso-rhénane ... Heidelberg (Carl Winter's Universitätsbuchhandlung) 1879. Oct. (*Beitr. Excurs.-Fl. Elsass-Lothringen*).
*Publ.*: Apr 1879 (Bot. Zeit. 30 Mai 1879; Nat. Nov. Mai(1) 1879; Flora 11 Jun 1879), p. [1]-39, [40, cont.]. *Copies*: B, HH.

**16.556.** *Deutschlands Farne* mit Berücksichtigung der angrenzenden Gebiete Oesterreichs, Frankreichs und der Schweiz ... Wasselnheim (Verlag des Botanischen Vereins) 1883. Fol. (*Deutschl. Farne*).
*Publ.*: 1880-1883 (in 13 parts), p. [i*], [i]-vi, [vii, ix], *pl. 1-52* with text. *Copies*: B-S, HH. – *Heft 1*: Aug 1879, *pl. 1-4*; *2*: Jan 1880, *pl. 5-8*; *3*: Mar 1880, *pl. 9-12*; *4*: Apr-Mai 1880, *pl. 13-16*; *5*: Jun 1880, *pl. 17-20*; *6*: Apr 1881, *pl. 21-24*; *7*: Nov 1881, *pl. 25-28*; *8*: Mai 1882, *pl. 29-32*; *9*: Sep 1882, *pl. 33-36*; *10*: Apr 1883, *pl. 37-40*; *11*: Apr 1883, *pl. 41-44*; *12*: Jul 1883, *pl. 44-48*; *13*: Jul 1883, *pl. 49-52*. (Bot. Centralbl., Bot. Zeit., Nat. Nov.).

**16.557.** *Ueber Europaeische Rosentypen* ... Worms (Verlags des Botanischen Vereins v. Elsass-Lothringen ...) 1885. Qu. (*Eur. Rosentyp.*).
*Publ.*: Sep 1885 (Bot. Zeit. 25 Sep 1885; Bot. Centralbl. 14-18 Sep 1885; Nat. Nov. Oct(1) 1885), p. [i-iii], [1]-56, *1 pl. Copies*: B, BR, G, HH.

**Waldner, Martin** (*fl.* 1887), Austrian botanist. (*M. Waldner*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Biol.-Dokum. 18: 9713; BM 5: 2253; De Toni 1: cxxvii; Herder p. 125; Jackson p. 92, 109, 155; Rehder 2: 769.

**16.558.** *Die Entwicklung der Sporogone von Andreaea und Sphagnum* ... Leipzig (Verlag von Arthur Felix) 1887. Oct. (*Entw. Sporog. Andreaea Sphagnum*).
*Publ.*: Jun 1887 (Bot. Centralbl. 8-12 Aug 1887; Bot. Zeit. 24 Jun 1887; J. Bot. Sep 1887; Nat. Nov. Jul(2) 1887), p. [i], [1]-25, *pl. 1-4* (uncol. liths. auth.). *Copies*: FH, MO, NY.
*Preliminary notice*: Bot. Zeit. 37: 595-597. 1879.
*Ref.*: Zukal, H., Österr. bot. Z. 38: 281-232. 1888 (rev.).

**Waldschmidt, J.** (*fl.* 1865), German high school teacher and botanist at Corbach. (*Waldschmidt*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: PR 9928.

**16.559.** Jahresbericht über das Fürstliche Gymnasium zu Corbach, als Einladung zu den am 18., 19. und 20. September Statt findenden öffentlichen Prüfungen und Schlussfeierlichkeiten, ... Voran geht: *Studien zur Waldeckischen Flora*, von Conrector F. Waldschmidt ... Mengeninghausen (Druck der Weigel'schen Hofbuchdruckerei) 1865. Qu. (*Stud. Waldeck. Fl.*).
*Publ.*: Jun-Jul 1865, p. [1]-19. *Copy*: MO.

**Waldstein, Franz de Paula Adam** [Graf] (1759-1823), Austrian soldier and botanist; in campaigns against the Turks and North African states as Maltese knight 1777-1781; in the Austrian-Turkish war and the Prussian campaign 1787-1789; dedicating himself to botany from 1789 together with Paul Kitaibel, mainly travelling in historical Hungary; in the Austro-French war in Italy 1797; continued his botanical studies from Vedröd near Pressburg (Bratislava), again in active service in the Austrian army 1809; from 1814 in possession of the family estate in Bohemia (nr Oberleutensdorf). (*Waldst.*).

HERBARIUM and TYPES: PR. – Many of the Waldstein and Kitaibel types are at PR, others in BP and BM (through Shuttleworth). The Prague types are listed by Chrtek

and Skočdopolová (1982). – A specimen from "Tauria" (Crimea), collected by Waldstein is at H; other material at PH, WRSL. – *Letter* to Jacquin at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 148, 5(2): 137, 437, 12(3): 58; Backer p. 620; Barnhart 3: 451 (b. 24 Feb 1759, d. 24 Mai 1823); BM 2: 987, 5: 2254; DU 325; Frank 3 (Anh.): 80; Futak-Domin p. 649; Hegi 4(2): 927, 5(1): 600; Herder p. 193; Hortus 3: 1206; IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 267; Kanitz p. 60 (no. 94); Klásterský p. 200; Lasègue p. 333, 527; Maiwald p. 87, 89, 91, 120, 140; NI 2096; Plesch p. 454; PR 9939, ed. 1: 10919; Rehder 1: 444; SK 4: ccxvi (Stearn); Sotheby 801; TL-1/1379; TL-2/see P. Kitaibel; Tucker 1: 728; WU 52: 209, 234-236; Zander ed. 10, p. 729, ed. 11, p. 822.

BIOFILE: Anon., Flora 6(1): 383-384. 1823 (obit.).
Borbás, V., A Balaton tavának és partmellékének növény f. edény. növennyz. 309-310. 1900.
Chrtek, J. & B. Skočdopolová, Acta musei natl. Prag. 38B(4): 201-234. 1982 (on W.'s herbarium in PR, list types; analysis of herbarium shows that Waldstein took an active part in writing the *Descriptiones*).
Degen, A. v., Fl. velebitica 1: 517. 1936.
Gombocz, E., Acta hist. rer. nat. techn. special issue 6. Prague 1973, p. 153-157.
Junk, W., Rara 2: 134. 1926.

EPONYMY: *Waldsteinia* Willdenow (1799).

**16.560.** Francisci comitis Waldstein, ... et Pauli Kitaibel ... *Descriptiones et icones plantarum rariorum Hungariae.* Viennae (Typis Matthiae Andreae Schmidt, ...) [1799] 1802-1812, 3 vols. Fol. †. (*Descr. icon. pl. Hung.*).
*1*: 1799-1802 (ten parts, see below), p. [i*-iii*], [i]-xxxii, 1-104, *pl. 1-100* (col. copp. J. Schütz).
*2*: 1803-1805 (ten parts), p. [i*], [i]-xxxii, 105-220, *pl. 101-200* (id.).
*3*: 1806-1812 (eight parts; remained unfinished; no preface, but mss. introduction by Kitaibel published by A. Kanitz, Linnaea 33: 482-529. 1865), p. [i], [221]-310, [311-312], *pl. 201-280.*
*Copies*: G, HH, Teyler, U; IDC 676. – Four volumes were anticipated. A note on p. 310 states that publication is suspended because of "multiplicia impedimenta, quae e gravibus temporibus in quibus vivimus inseparatibilia sunt".

**Walker, Egbert Hamilton** (1899-x), American botanist and botanical bibliographer; A.B. Mich. Univ. 1922; Dr. phil. Johns Hopkins Univ. 1940; Instructor Canton Christian College 1922-1926; assistant in botany Univ. Wisconsin 1926-1928; aide, division of plants Smithsonian Institution 1928-1942; assistant curator ib. 1942-1946, associate curator 1946-1958; working on various grants ib. 1956-1964; research associate 1964-1966, emeritus botanist 1967. (*E. Walker*).

HERBARIUM and TYPES: US; other material at CAL, DPU, LU, MO; manuscripts, field notes and correspondence: US (SIA); other letters at NY (especially in Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Bossert p. 423; IH 1 (ed. 1): 102, (ed. 2): 126, (ed. 3): 162; (ed. 4): 180, (ed. 6): 392; MW p. 519, suppl. 387; Roon p. 120; TL-2/5871; Tucker 3: 325.

BIOFILE: Anon., Amer. men sci. eds. 5-12, 1933-1967; Index Amer. bot. lit. 1886-1966. 4: 444-445. 1969; Taxon 1: 65. 1952 (collected in Ryukyo chain for flora); [Biogr. sketch] on book jacket, E.H. Walker, *Fl. Okinawa.*
Frodin, D.G., Guide standard floras world 617 [index]. 1984.
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 771. 1985.
Steenis, C.G.G.J. van, Fl. males. 19: 1108. 1964 (Oberly Memorial Award for bibliography).
Stieber, M.T., Arch. nat. Hist. 11(3): 428. 1984.

Verdoorn, F., ed., Chron. bot. 2: 315, 316. 1936, 3: 279. 1937, 4: 68, 468, 470. 1938, 5: 455. 1939, 6: 39, 70, 423. 1943.
Walker, E.H., Taxon 10: 45-49. 1961 (references to dates of issue on entries in MW); Taiwania 18(1): 57-61. 1973 (the making of a regional flora); Autobiography, mss. 5 p.p. at HI.

COMPOSITE WORKS: (1) Co-author with E.D. Merrill, *Bibl. East Asiat. bot.* 1938, TL-2/5871 and of its *Supplement 1*, 1960. *Reviews*: Airy Shaw, H.K., Bull. misc. Inf. Kew 1938: 310-311, J.H. Barnhart, J. New York Botanical Garden 39: 139. 1938, W.T. Stearn, J. Soc. Bibl. nat. Hist. 1(7): 194. 1939. – *Reviews supplement*: F. Markgraf, Bot. Jahrb. 82(1)(Lit.): 1. 1963, Anon., Taxon 10: 150. 1961, C.G.G.J. van Steenis, Fl. males. Bull. 839. 1961. [Bibliography referred to in TL-2 as MW and MW suppl.].
(2) With H.B. Collins and A.H. Clark, *The Aleutian Islands*: their people and natural history, Washington 5 Feb 1945, iv, 131 p., *21 pl.*

NOTE: Main work outside our period (in addition to MW suppl.): *Flora of Okinawa and the Southern Ryukyu Islands* 1976, see Anon., Taxon 25: 658. 1976 and F.G. Meyer, Taxon 26: 472-473. 1977 (rev.). – *Preliminary publ.*: *Important trees of the Ryukyu Islands*, U.S. Civil Adm. Ryukyu Isl., Spec. Bull. no. 3, Jan 1954, vi, 350 p.

**16.561.** *Fifty-one common ornamental trees of the Lignan University Campus.* A guide to the more important local trees illustrated with fifty-five plates ... Canton, China (Lignan University) 1930. Oct. (*Common trees Lignan Campus*).
*Publ.*: 24 Jan 1930 (in journal; t.p. reprint: "January"), p. [i-iv], frontisp., 1-166. *Copies*: G, HH, NY, PH. – Also issued as Lignan Sci. J. 6(1, 2), 1930. – Copy of journal issue at B. – The journal issue is dated on p. 1 "June, 1928" but has a note on p. 178: "issued January 24, 1930".

**16.562.** *Four new species of Myrsinaceae from China* ... Reprinted from Journal of the Washington Academy of Sciences ... 1931. Oct.
*Publ.*: 19 Nov 1931, p. 477-480. *Copy*: G. – Reprinted and to be cited from J. Wash. Acad. Sci. 21(19): 477-480. 1931.

**16.563.** *Embelia scandens* (Lour.) Mez and its Eastern Asiatic allies ... Separate from Lignan Science Journal ... 1931. Oct.
*Publ.*: 30 Nov 1931, cover-t.p., p. 475-480. *Copy*: G. – Reprinted and to be cited from Lignan Sci. J. 10(4): 475-480. 1931.

**16.564.** *An enumeration of the Myrsinaceae of Yunnan* ... [Bull. Fan. Inst. Biol.: ... 1939]. Oct.
*Publ.*: 30 Aug 1939, cover-t.p., p. [135]-194, *pl. 13-24*. *Copies*: NY, US. – Reprinted and to be cited from Bull. Fan Inst. Biol., Bot. Ser. 9(3): [135]-194, *pl. 13-24*. 1934.

**16.565.** *A revision of the Eastern Asiatic Myrsinaceae* ... Manila (Bureau of printing) 1940. Oct.
*Publ.*: 31 Oct 1940 (date on cover), cover-t.p., p. [1]-258, [259, vita]. *Copies*: G, HH, M. – Issued as Philipp. J. Sci. 73(1-2): 1-258. Sep-Oct 1940. – Dissertation for Dr. phil. Johns Hopkins.

**16.566.** *Plants collected by R.C. Ching* in southern Mongolia and Kansu Province, China ... Washington (United States Government Printing Office) 1941. Oct.
*Publ.*: 22 Jul 1941 (some copies thus dated), cover-t.p., p. [i]-v, 563-675, vii-xiii, *pl. 22-27*. *Copies*: B, BR, H, HH, NY, U, US. – Issued as and to be cited from Contr. U.S. Natl. Herb. 28(4). 1941.

**Walker, Richard** (1791-1870), British clergyman and botanist; educated at Balliol and Magdalen Colleges, Oxford; MA. 1817, B.D. 1824; fellow of Magdalen College 1821, subsequently dean, bursar and vice-president and master of the Grammar School of Magdalen College, later curate of Tilehurst nr Reading; died at Olveston, Gloucestershire. (*R. Walker*).

HERBARIUM and TYPES: Unknown (Druce, 1897, mentions a herbarium, location unknown).

BIBLIOGRAPHY and BIOGRAPHY: AG 5(2): 678; BB p. 313; BM 5: 2256; Bossert p. 424; Desmond p. 635 (b. 17 Mar 1791, d. 31 Dec 1870); PR 9940, ed. 1: 10923; Rehder 1: 398; SO 842f; Tucker 1: 728.

BIOFILE: Druce, G.C., Fl. Berkshire clxv-clxvi. 1897.

EPONYMY: *Walkera* Schreber (1789) and *Walkeria* Miller ex Ehret (1764) commemorate the Rev. Richard Walker (1679-1764) who founded the Botanic Garden in Cambridge, England; *Walkeria* Hornschuch (1825) honors G.A.W. Arnott, *q.v.*; *Walkeria* A. Chevalier (1946) honors A. Walker, clergyman who collected in Africa and *Walkeromyces* M.M. Thaung (1976) honors Prof. J.C. Walker, American mycologist.

**16.567.** *The flora of Oxfordshire*, and its contiguous counties, (comprising the flowering plants only) arranged in easy and familiar language, according to the Linnaean and natural systems; preceded by an introduction to botany, with illustrative plates ... Oxford (Henry Slatter, ...) London (Rees, ...) 1833. Oct. (*Fl. Oxfordshire*).
*Publ.*: Apr 1833 (P & W), p. [i]-cxxxv, [1]-338, chart, *pl. 1-12* (uncol. copp.). *Copies*: B-S, G, HH, LIV, MO, NY.

**Wall, George** (1821-1894), British merchant, planter, newspaper editor and pteridologist; in Ceylon from 1846-1894; friend of G.H.K. Thwaites. (*G. Wall*).

HERBARIUM and TYPES: K (fern herb.); further material in B, E, HH, LIV, PDA.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 453; BB p. 313; BM 5: 2243, 2256; Desmond p. 635 (d. 18 Dec 1894); Jackson p. 396.

BIOFILE: Anon., J. Bot. 11: 221. 1873 (on his pterid. work), 33: 63. 1895.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 138.29. 1980.
Kent, D.H., Brit. herb. 83. 1957 (herb. K).
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**16.568.** *A catalogue of the ferns indigenous to Ceylon* according to the nomenclature of the "Synopsis filicum" of Hooker & Baker. With notes by G.W. [G. Wall]. London (printed by Edward Newman, ...) 1873. Qu. (*Cat. ferns Ceylon*).
*Publ.*: 1873, p. [i*], [i]-iv, [1-14, charts], [1]-12 [notes], [1, portr.]. *Copies*: G; IDC 7275.

**Wall, Wilhelm August** (1813-1861), Swedish teacher and botanist; Dr. phil. Uppsala 1839; teacher at Västerås gymnasium 1840-1850, from 1847 "Gymnasium adjunct". (*W. Wall*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 453 (b. 24 Oct 1813, d. 17 Aug 1861); BL 2: 555, 729; BM 5: 2256; KR p. 747; PR 9942; Rehder 1: 355.

**16.569.** *Westmanlands flora* innefattande provinsen Westmanlands vilda Phanerogamer och Filices ... Stockholm (P.A. Norstedt & Söner, ...) 1852. Oct. (*Westmanl. fl.*).
*Publ.*: 1852, p. [i-iv], [1]-142, [143, err.]. *Copies*: B-S, HH, NY, Peterson, USDA.

**Wallace, Alfred Russel** (1823-1913), British explorer, zoologist and botanist; collected with H.W. Bates in S. America 1848-1852, in the Malay Archipelago 1854-1862. (*Wallace*).

HERBARIUM and TYPES: K; further material in BM (Borneo ferns), CGE, O. – *Manuscripts* at the Linnean Society, London. – The material collected during the Amazon expedition of 1848-1852 was lost in fire on ship 6 August 1852. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 10, 348; Backer p. 620; Barnhart 3: 453; BB p. 314; BM 5: 2256, 8: 1387; CSP 6: 247-248, 8: 1186, 11: 739-740, 19: 450; Desmond p. 635-636 (q.v. for sec. refs.); DNB 1912-1921: 546-549; DSB 14: 133-144 (H.L. McKinney); Ewan ed. 1: 97, 106, 330, ed. 2: 230; Herder p. 33, 292; Jackson p. 374, 502; KR p. 747-748; Lenley p. 426; LS 40394; Morren ed. 10, p. 75; NI 2097; PR 9943; Quenstedt p. 450; Rehder 5: 899; SK 1: 555-557, 4: cxxiv; TL-2/11.793, 12.719, see R. Spruce; Tucker 1: 14, 728-729; Urban-Berl. p. 323; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Allan, M., The Hookers of Kew 188, 195-198, 228, 248. 1967.
Anon., Bonplandia 1: 134 (in press), 254 (publ. 20 Nov 1853), 259-260 (review). 1853; Bot. Not. 1914: 31; Brit. Mus. gen. cat. print. books 252: 148-154. 1965; Cat. gén. livr. impr. Bibl. natl. 217: 438-444. 1973; Ibis 2: 133-136. 1914 (obit.); Men of the time ed. 12: 1024-1025. 1887; Nature 43: 136. 1891, 4(8): 10. 1893, 78: 221-223. 1908, 79: 136. 1908 (Darwin medal, Copley medal), 92: 322. 1913, 97: 58. 1916 (medallion); Proc. R. Soc. Edinburgh 35: 1-2. 1915 (d.); Science ser. 2. 30: 830. 1909, 35: 487. 1912, 37: 328. 1913, 38: 700. 1913; The Darwin-Wallace celebration ... 1 July 1908, London 1908, 139 p.; The Linnean 1(3): 13. 1984 (notebooks 1856-1862, 1886-1887 at LINN), 1(4): 19-20. 1985 (id.); Who's who (London) 1897-1914; Who was who (London) 1897-1916: 737. 1935.
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EPONYMY: *Wallacea* Spruce ex J.D. Hooker (1862); *Wallaceodendron* Koorders (1898).

**16.570.** *A narrative of travels on the Amazon and Rio Negro*, with an account of the native tribes and observations on the climate, geology, and natural history of the Amazon Valley, ... London (Reeve and Co., ...) 1853. Oct. (*Narr. trav. Amazon*).
*Ed.* [*1*]: 1853 (p. iv: Oct 1853), frontisp., p. [i]-viii, map, [1]-541, [542, colo.], chart, *pl. 1-8* (uncol.). *Copies*: G, MO.
*Ed. 2*: 1889 (p. xii: Oct 1889), p. [i]-xiv, [xv], [1]-363, *pl. 1-16. Copies*: MICH, NY, Wurdack. – Second edition, London, New York and Melbourne (Ward, Lack & Co.). 1889.
*Ed. 2* (*other issue*): 1889 or later (t.p. undated), p. [i*], [i]-xiv, [xv], [1]-363, *12 pl. Copy*: PH. – London (Ward, Lack & Co., Limited). s.d.
*Facs. reprint of 1889 ed.*: 1969. – ISBN 0-8371-1641-4, Westport, Conn.; also New York, ISBN 0-8383-0251-3.

**16.571.** *Palm trees of the Amazon and their uses* ... London (John Van Voorst, ...) 1853. Duod. (*Palm trees Amazon*).
*Publ.*: Nov 1853 (p. vi: Oct 1853; rev. Bonplandia 1 Dec 1853: London 20 Nov publ.), p. [i]-viii, [1]-129, [130, colo.]. *pl. 1-48* (uncol. liths. W. Fitch). *Copies*: BR, HH, MICH, MO, NSW, NY, PH, USDA.– 250 copies printed.
*Facsimile reprint*: 1971, ISBN 87291-022-9, p. [i*-iv*, new preface material], [i]-viii, [1]-129, *pl. 1-48. Copies*: B, FAS, G. – Lawrence, Kansas (Coronado Press) 1971 with introduction (p. [iii*-iv*]) by H.L. McKinney.
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**16.572.** *The Malay Archipelago*: the land of the Oran-Utan, and the bird of paradise. A narrative of travel, with studies of man and nature ... New York (Harper & Brothers, ...) 1869. Oct. (*Malay Archip.*).
*Publ.*: 1869, p. [i]-xii, [13]-638, *8 pl.*, 2 maps. *Copies*: HH, PH.

*Ed. 4*: 1872, xvi, 653 p. *Copy*: MO.
*Republication ed. 4*: 1962, New York, Dover Publications. *Copy*: MO.
*Other ed.*: 1902, p. [i-ii], *1 pl.*, [iii-vi], map, [vii]-xvii, [xix], [1]-515, [516, colo.], *5 pl. Copy*: HH.
*German transl.*: 1869. *Copy*: NY. – *Der Malayische Archipel* ... Autorisierte deutsche Ausgabe von Adolf Bernhard Meyer ... Braunschweig (Druck und Verlag von George Westermann) 1869. Oct. 2 vols.
*1*: [i-ii], front., [iii]-xx, [1]-435, 27 ills., 5 maps.
*2*: [i-ii], front., [iii]-x, [1]-490, 51 ills., 9 maps.

**16.573.** *Contributions to the theory of natural selection.* A series of essays ... London (Macmillan and Co.), New York (id.) 1870. Oct. (*Contr. theor. nat. select.*).
*Publ.*: 1870 (p. xi: Mar 1870), p. [i]-xvi, [1]-384. *Copies*: G, PH.
*Facsimile edition*: 1973, ISBN 0-404-08181-9, New York.

**16.574.** *Tropical nature* and other essays ... London (Macmillan and Co.) 1878. Oct. (*Trop. nat.*).
*Publ.*: Mai-Jun 1878 (p. x: Apr 1878, Bibl. Hist. nat. Jan-Jun 1878), p. [i]-xiv, [xv], [1]-356. *Copies*: HH, PH. – Chapter 2: Equatorial vegetation, p. 27-68.
*German transl.*: 1879, *Die Tropenwelt*, ... Deutsche Uebersetzung von D. Brauns, Braunschweig (Verlag von Friedrich Vieweg und Sohn). Oct., 1879, p. [i]-xvi, [1]-376. *Copy*: B.

**16.575.** *Island life*: or, the phenomena and causes of insular faunas and floras, including a revision and attempted solution of the problem of geological climates ... London (Macmillan and Co.) 1880. Oct. (*Isl. life*).
*Publ.*: 1880 (p. viii: Aug 1880; J. Bot. Jan 1881), p. [i-ii], map, [iii]-xvii, [xix], [1]-526. *Copies*: HH, NY.
*New York ed.*: 1881, map, [i]-xvi, [1]-522. *Copies*: MO, PH. – New York (Harper and Brothers, ...) Oct.
*Ed. 2*: 1892 (p. viii: Dec 1891), p. [i-ii], map, [iii]-xx, [1]-563, [564, colo.]. *Copies*: MO, NY, PH. – London (id.), New York (id.). Oct. – Reissued 1895.

**16.576.** *Darwinism* an exposition of the theory of selection with some of its applications ... London (Macmillan and Co.) New York (id.) 1889. Oct. (*Darwinism*).
*Publ.*: 1889 (p. viii: Mar 1889), p. [i-ii], portr., [iii]-xvi, [1]-494. *Copies*: G, HH, NY.
*German ed.*: 1891, *Der Darwinismus*, ... Uebersetzt von Dr. Brauns. Braunschweig 1891 (n.v.).

**Wallerius, Johan Gottschalk** (Gottschalck) (1709-1785), Swedish agricultural chemist, mineralogist and botanist; Dr. phil. Uppsala 1731, Dr. med. ib. Lund 1735; assistant professor of medecine Lund 1732; lecturer at Uppsala 1736; practicing physician, from 1737 superintendent at Dannemarks ("Helsobrunn") nr Uppsala; assistant professor of medicine Uppsala 1741; professor of chemistry ib. 1750-1767. (*Wallerius*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 454; BM 5: 2258, 8: 1388-1390; Bossert p. 425; Dryander 3: 377, 400, 568, 613; DSB 14: 144-145 (H. Boklund); KR p. 748 (b. 11 Jul 1709, d. 16 Nov 1785); PR 9946-9952, ed. 1: 6141, 10928-10938; Quenstedt p. 450; Rehder 5: 899; SO see index.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 252: 289-291. 1965; Cat. gén. livr. impr. Bibl. natl. 217: 552-560. 1973.
Eriksson, G., Bot. hist. Sverige 129, 283, 305, 307, 314. 1961.
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EPONYMY: *Walleria* Kirk (1864) honors Horace Waller who discovered the plants named for him in East Africa.

NOTE: Wallerius applied, together with Linnaeus, for two vacant chairs in the medical Faculty in Uppsala. In both cases the Consistorium ranked Linnaeus before Wallerius. As a specimen for the chair of medicine Wallerius published a thesis containing severe criticism of Linnaeus's medical works, especially his thesis from 1735. The public defense ended in chaos. However, Linnaeus was appointed in 1741. (Note by O. Almborn).

**16.577.** Q.B.V. [Quod bene vertat] *Dissertatio oeconomica de artificiosa foecundatione immersiva seminum vegetabilium.* Quam, consensu ampliss. Senatus philosophici in illustri Academia Upsaliensi, praeside, vire ... Joh. Gotschalk Wallerio, ... Speciminis Academici loco, publicae luci et examini modeste offert Johannes Pihlman, ... in Aud. Carol. maj. die [1, mss.] Junii anni mdcclii. H.A.M.S. Holmiae [Stockholm] (Literis Laurentii Salvii) [1752]. Qu. (*Diss. foecund. semin. veg.*).
*Publ.*: 1 Jun 1752, p. [1-24]. *Copies*: B-S, LD-UB.

**16.578.** D.D. [Docente Deo] *Dissertatio gradualis, de vegetatione seminum vegetabilium* per mortem, quam suffrag. Ampliss. Facult. philosoph. in Regia Academia Upsaliensi, praeside, ... Johanne Gotsch [sic] Wallerio, ... stipendiarius regius Michael Henr. Ottin, ... in Audit. Carol. min. die xviii Febr. anni mdcclxi. H.A.M.S. Upsaliae [1761]. (*Diss. veg. semin.*).
*Publ.*: 18 Feb 1761, p. [1]-8. *Copy*: B-S.

**Wallerton, Charles Louis Auguste** (1721-1788). Fictitious French naturalist, said to have explored the province of Michoacan, Mexico between 1760 and 1765 and to have written e.g. *Tableau de la flore du royaume de la Nouvelle Espagne* (2 vols. 1775-1779).
*Ref.*: Anon., in J.G. Wilson and J. Fiske, Appleton's Cycl. Amer. biogr. 6: 338. 1889 (wholly fictitious).

**Wallich, Nathaniel** (b. Nathan Wulff ["Wolff"] (1786-1854), Danish physician and botanist; studied with M. Vahl at Copenhagen; surgeon at Serampore 1807, working with W. Roxburgh at Calcutta 1809; to Mauritius for health reasons 1812, entered the British colonial medical service at Calcutta 1814; assistant superintendent Calcutta Botanic Garden 1815-1816, superintendent ib. 1817-1846 with interruptions for tours of inspection, European and sick leave; collected in Nepal 1820-1822, Singapore and Penang 1822, in Assam 1833 and the Cape 1842-1844 as well as in India. (*Wallich*).

HERBARIUM and TYPES: K (K-W) (available on IDC 7394 incl. catalogue); further material at A, AWH, B (partly destr.), BM, BR, C, CGE, CAL, DBN, DD, DPU, DS (CAS), E, FI, G, G-DC, GJO, FH, FI, H, K, KIEL, L, LE, LINN (in J.E. Smith herb.), LIV, M, MANCH, MICH, MO, NY, OXF, P, PH, PR, ROST, S, SING, TCD, TO, TU, US, W, WRSL, WU. – Kew has the main set of the Wallich collections (K-W). His types are also mainly at Kew. Wallich collected extensively and made many duplicates; the *numbered* specimens were distributed from London (after 1826) under the auspices of the East India Company. Wallich's main set was incorporated in the herbarium of the East India Company which came to LINN in 1832, and which was transferred to K in 1913. The numerous duplicates are in many herbaria, often accompanied by new names without descriptions. These names will also be found in the lithographed "Numerical list".

(2) D. Don's *Prodromus* (1825) was based on Wallich specimens sent to Lambert in 1818 and 1819 (see W.T. Stearn *in* H. Hara et al., Enum. fl. pl. Nepal 1: 8. 1978). Part of this Nepal set is at BM and other parts are at CGE, FI and PR as well as perhaps in various other herbaria. Prain's remark in Ann. Bot. Gard. Calcutta 8: 328. 1898, that Wallich's Nepal plants in Lambert's herbarium were destroyed as unsaleable can therefore not be entirely correct (Miller, Taxon 19: 545. 1970; inf. G. Seidenfaden).
*Correspondence*: partly at K, further letters at G, UPS-UB. For further mss. material see Bridson et al. (1980).

BIBLIOGRAPHY and BIOGRAPHY: AG 1: 185; Backer p. 620; Barnhart 3: 454 (b. 28 Jan 1786, d. 28 Apr 1854); BB p. 314-315; Biol.-Dokum. 18: 9720; BM 5: 2258-2259; Bossert p. 425; Bret. p. 246; CSP 6: 252-253, 12: 769; Dawson p. 851-853; Desmond p. 637; DNB 20: 592-593 (59: 135); DU 326; Frank 3 (Anh.): 110; GF p. 80; Herder p. 214, 326; Hortus 3: 1206; IF p. 736-737; IH 1 (ed. 6): 365, (ed 7): 345; Jackson p. 377, 383, 389, 414; Lasègue p. 587 [index]; LS 28258; Moebius p. 77; MW p. 519-520; NI 2098-2100; PH 129, 438; Plesch p. 455; PR 2364, 9953-9957, ed. 1: 2675, 10939-10944; Rehder 5: 899; RS p. 147; SIA 95; SK 1: 557-558, 4: ci, cxv, cxlv, clxi, ccxvi, ccxvii (Stearn), 8: civ; SO 186, 2571; Sotheby 802; TL-1/304, 1381-1383; TL-2/566, 1114, 1119, 1497, 3216, 4516, 5554, see indexes; Tucker 1: 729; Urban-Berl. p. 407; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Bonplandia 1: 93, 228, 242. 1853, 2: 37, 51, 130, 160 (corr. Kew). 1854, 5: 16. 1857; Bot. Zeit. 3: 864. 1845 (will resign his Calcutta position in 1846), 4: 159-160 (back from S. Africa), 520 (to Copenhagen) 1846, 7: 206. 1849 (coll.), 11: 768. 1853 (decoration), 12: 727-728. 1854 (obit. not.); Brit. Mus. gen. cat. print. books 252: 299. 1965; Bull. misc. Inf. Kew 1913: 255-263 (details on acquisition and contents of W.'s herbarium, transferred to K on 11 Jul 1913); Bull. Soc. bot. France 1: 41-43. 1854; Flora 16(2): 761-762. 1833 (for memb. Bay. Akad. Wiss.), 26: 293. 1843 (two years in S. Africa), 29: 223. 1846 (health restored in S. Africa, back in Calcutta), 37: 288. 1854 (obit. not.); Microfiche of the herbarium of the East India Company ("The Wallich Herbarium") at Kew. Interdocumentation Company AG, Zug, s.d. 12 p.; *in* W.J. Hooker, J. Bot. Kew Gard. Misc. 6: 185. 1854 (obit.); Gard. Chron. 1854: 284. (obit.); Proc. Linn. Soc. 2: 314-318. 1855; Proc. Linn. Soc. London 1888-1890: 41. 1891 (portr. by Lucas at LINN).

Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 445 [index]. 1980.

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Holttum, R., Taxon 19: 708. 1970.

Huxley, L., Life letters J.D. Hooker 2: 568 [index]. 1918.

King, G., J. Bot. 37: 458-459. 1899 (work in N. India); Gard. Chron. 1899(2): 252 (on Wallich and Wight).
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Miller, H.S., Taxon 19: 544-545. 1970 (W. specimens in Lambert's herbarium).
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Ridley, H.N., Fl. malay. Penins. 1: xiv-xv. 1922 (visit Singapore, Penang).
Rose, D., The Garden 106: 196-200. Mai 1981.
Sayre, G., Bryologist 80: 519. 1977 (bryol. coll.).
Seemann, B., J. Bot. 2: 139-140. 1854.
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Sikdar, J.K. et al., Bull. Jard. bot. Natl. Belg. 50: 79-97. 1980 (Wallich grasses in CAL).
Stansfield, H., Handb. guide herb. coll. Liverpool 46-47, *pl.* 7. 1935 (coll. LIV).
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Vriese, W.H. de, Tuinbouwflora 1: 142-143. 1855.
Wallich, N., Flora 6: 65-70. 1823 (letter to J.W. Hornemann).
Warming, E., Bot. Tidsskr. 12: 105-106. 1881 (bibl.).
Wight, R., *in* W.J. Hooker, Bot. Misc. 2: 91-95. 1831.
Wittrock, V.B., Acta Horti Berg. 3(2): 158. 1903.

COMPOSITE WORKS: (1) Translated F. Liebmann, *Mexic. Begon.* 1852, TL-2/4516.
(2) Translated E.W. Martius, *Erinnerungen* 1847 (part concerning J.C.D. Schreber) see TL-2/5554.
(3) *Notes* signed N.W. in W. Roxburgh, *Fl. ind.* 1820-1824, see TL-2/9724.
(4) *Notes* id. in W. Roxburgh, *Epitome florae indicae*, *in* K. Sprengel, Neue Entdeck. 3: 66-156. 1822.

HANDWRITING: Candollea 34: 193-194. 1979; Webbia 32(1): 40. 1977.

EPONYMY: *Wallichia* Roxburgh (1820); *Wallichia* Reinwardt ex Blume (1823); *Wallichia* A.P. de Candolle (1823).

**16.579.** *Descriptions of some rare Indian plants*, ... [Asiatic Researches 1820]. Qu.
*Publ.*: 1820, p. [369]-415, *14 pl.*, in Asiat. Res. 13: [369]-415, *14 pl.*, tearsheet *copies* in B-S, C, HH.

**16.580.** *Tentamen florae napalensis illustratae* consisting of botanical descriptions and lithographic figures of select Nipal plants ... Calcutta and Serampore 1824-1826. Fol. (*Tent. fl. napal.*).
*Fasc. 1*: Jul-Dec 1824, cover-t.p., p. [1]-36, *pl. 1-25.*
*Fasc. 2*: Sep-Dec 1826, p. 37-64, *pl. 26-50.*
*Copies*: G, HH, NY, U; IDC 5799.
*Ref.*: Anon., Linnaea 2(3): 532-540. Aug-Oct 1827 (repr. diagn. fasc. 1), Bot. Litt.-Blätt. 2: 286-295. 1829 (diagn. repr.).
Tucker, E.M., J. Arnold Arb. 18: 260. 1937.
Callery, B.G., *in* History in the service of systematics, London 1981, p. 19.

**16.581.** *Description of the tree which produces the Nipal Camphor wood* and Sassafras bark; with a plate ... [Reprinted from Trans. med. phys. Soc. Calcutta 1825]. Oct.
*Publ.*: 1825 (in journal), p. [1]-10. *Copies*: C, G. – Reprinted (without the plate) from Trans. med. phys. Soc. Calcutta 1: 45-54. *pl. 1.* 1825.

**16.582.** *A numerical list of dried specimens* of plants, in the East India Companys Museum collected under the superintendence of Dr. Wallich of the Company's botanic garden at Calcutta ... London 1st December 1828 [1828-1849]. Fol. (*Numer. List*).

*Publ.*: lithographed from a manuscript by N. Wallich and G. Bentham. Often cited as "*Wallich's catalogue*". *Copies*: HH, L, M, MO; IDC 7394. – Many of the nomina nuda in this list were validated by descriptions in G. Don, *Gen. syst.* See Sprague (1925) for a list.

| numbers | dates | numbers | dates |
|---|---|---|---|
| preface | 1 Dec 1828 | 6225-7683 | 1832 |
| 1-2153 | 1829 | 7684-8233 | 1847 (1845?) |
| 2154-2603 | 1830 | 8234-8521 | 22 Oct 1847 |
| 2604-4877 | 1831 | 8622-... | 5 Aug 1848 |
| 4878-6224 | betw. 1831-1832 | p. 300 | 10 Nov 1849 |

*Ref.*: Kuntze, O., *Rev. gen. pl.* 1: cxlv. 1891.
Sprague, T.S., Bull. misc. inf. Kew 1925: 159, 312-314 (validations) (see also id. 1913: 255-263).

**16.583.** *Plantae asiaticae rariores*; or, descriptions and figures of a select number of unpublished East Indian plants, ... London (Treuttel and Würtz, ...) Paris (id., ...) Strasburgh (id, ...) [1829-] 1830-1832, 3 vols. Fol. (*Pl. asiat. rar.*).
*Publ.*: 1829-1832 (see below). *Copies*: BR, G, HH, USDA; IDC 514. – 254 copies issued.
*1*: 1829-1830, p. [i*], [i]-x, [11]-15, [1]-84, *pl. 1-100* (col. liths.).
*2*: 1830-1831, p. [i-iv], [1]-86, *pl. 101-200.*
*3*: 1831-1832, p. [i-iv], list of plates [1-2], [v]-viii, [1]-117, *pl. 201-300* (222/223 combined; nos. 296-300: maps).

| vol. | part | pages | *plates* | dates |
|---|---|---|---|---|
| 1 | 1 | 1-22 | *1-25* | Sep 1829 |
| | 2 | 23-42 | *26-50* | 6 Apr 1830 |
| | 3 | 43-62 | *51-75* | 15 Jul 1830 |
| | 4 | 63-84[xii] | *76-100* | 1 Sep 1830 |
| 2 | 5 | 1-20 | *101-125* | 20 Dec 1830 |
| | 6 | 21-36 | *126-150* | 4 Apr 1831 |
| | 7 | 37-52 | 151-175 | 7 Jun 1831 |
| | 8 | 53-86 | *176-200* | 6 Sep 1831 |
| 3 | 9 | 1-? | *201-225* | 10 Dec 1831 |
| | 10 | ?-28 | *226-250* | 20 Mar 1832 |
| | 11 | 29-40 | *251-275* | 15 Jun 1832 |
| | 12 | 41-117[viii] | *276-300* | 15 Aug 1832 |

*Collaborators*: (1) George Bentham, *Synopsis of the genera and species of Indian Labiatae*, in 1: 28-31. 6 Apr 1830, 1: 58-62. 15 Jul 1830, 63-68. 1 Sep 1830, 2: 12-19. 20 Dec 1830.
(2) C.G. Nees von Esenbeck, *Laurinae Indiae orientalis*, *in* 2: 58-76. 6 Sep 1831, 3: 30-32. 20 Mar 1832.
(3) C.F.P. von Martius, *Eriocauleae et Xyrideae Indiae orientalis* 3: 27-30. 20 Mar 1832.
(4) C.F. Meisner, *Synopsis Polygonearum*, 3: 53-65. 15 Aug 1832.
(5) C.G. Nees von Esenbeck, *Acanthaceae Indiae orientalis*, 3: 70-117. 15 Aug 1832.
(6) See also 3: vi. 1832.
The above dates are based on various sources consulted by Stearn supplemented by data obtained by Mr John Collins (in litt.) from a copy in its original covers. The latter regards the dates as "probable". The plates are lithographs, coloured by hand, from drawings by several artists.
*Facsimile ed.*: 1979-1980. Today & Tomorrow's, New Delhi. *Copy*: B.
*Ref.*: Reichenbach, H.G.L., Flora 14(2), Lit.-Ber. 12: 171-180. 1831, id. 13: 193-202. 1831 (rev.).
Schlechtendal, D.F.L von, Linnaea 5 (Litt.): 115-117. 1830 (rev.).

**16.584.** *Upon the preparation and management of plants during a voyage from India* ... London (printed by William Nicol, ...) 1832. Qu.

*Publ.*: 1832, p. [i], [1]-4. *Copy*: G. – Preprinted or reprinted from Trans. Hort. Soc. London ser. 2. 1: 140-143. 1832 (volume as whole dated 1835).

**16.585.** *List of Indian woods* collected by N. Wallich, ... From the Transactions of the Society of Arts, ... [1835]. Oct.
*Publ.*: 28 Mar 1835 (date on which Wallich sent a copy to the Geol. Soc., London), p. [1]-41, [42-44]. *Copies*: C, G. – Reprinted from Trans. Soc. Encour. Arts 48: 439-479. 1831 [probably publ. only 1835, contains records for 1831-1832].

**16.586.** *Initiatory attempt to define the species of Hedychium* ... Reprinted from Hooker's Journal of Botany ... 1853. Oct.
*Publ.*: Nov, Dec 1853 (in journal), p. [1]-20. *Copy*: B. – Reprinted and to be cited from W.J. Hooker, J. Bot. Kew Gard. Misc. 5: 321-329. Nov, 367-377. Dec 1853.

**Wallis, Gustav** (1830-1878), German (Hanoverian) gardener and botanical explorer; gardener at Detmold and München; collected in South and Central America 1854-1868 (part of the time for J. Linden), in Europe 1868-1869; in the Philippines and Japan 1870-1871; in North America 1871-1872; in Colombia, Panama and Ecuador 1872-1878 for James Veitch; died in Ecuador. (*Wallis*).

HERBARIUM and TYPES: Material in B (mainly destr.), BM (mosses), BR, C, K, M, NY, W. – The herbarium collections by Wallis are not numerous; he specialized on living plants. "Leider hat Herr G. Wallis eine räthselhafte Autosyncrasie dagegen, der Wissenschaft durch Sendung getrockneter Exemplare zu dienen" (Reichenbach 1876). – Herbarium offered for sale, Flora 62: 336. 1879. – *Letters* at G. – Manuscripts acquired by *Deutsche Gärtner Verband* (see Deut. Gärtn. Zeit. 1879: 285, 299, 327.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 620; Barnhart 3: 455 (b. 1 Mai 1830, d. 20 Jun 1878); CSP 8: 1188, 11: 743, 12: 769; DTS 1: 319, 6(4): 206; GR p. 150; Hortus 3: 1206; Rehder 5 : 899-900; SK 1: 558; Urban-Berl. p. 316, 408.

BIOFILE: Anon., Flora 52: 62 (returns to Europe), 461 (will go to Philippines); Gartenflora 12: 27. 1863 (under contract with Linden to collect in Brazil).
Linden, J., Illustr. hortic. 22: 11-12. 1875 ("mon ex-collecteur Wallis" on his services to Linden); Gard. Chron. ser. 2. 3: 279-280. 1875 (id.).
Mossen, E., ed., *in* Belg. hortic. 1881: 172-190 (transl. of Wallis diary and notes of trip in Venezuela 1868).
Müller, K., Die Natur 19: 33-36, 41-44, 59-62, 67-70, 83-86, 89-92, 97-100, 113-116, 126-132, 150-156, 174-176, 180-182, 185-188. 1870 ("Gustav Wallis. Eine biographisch-naturgeschichtliche Skizze").
Otto, E., Hamb. Gart. Blumenzeit. 33: 433-440. 1878, French transl. Belg. hort. 1879: 1-19 (portr., biogr.).
Prance, G., Acta Amaz. 1(1): 63. 1971.
Reichenbach, H.G., Linnaea 41(1): 99-112. Dec 1876, 113-118. Feb 1877 (Orchideae Wallisianae novae).
Reinikka, M.A., Hist. Orchid 234-235. 1972.
Sayre, G., Mem. New York Bot. Gard. 19(3): 409. 1975.
Urban, I., Fl. bras. 1(1): 131-132. 1906 (biogr. sketch, itin.).
Veitch, J.H., Hortus Veitchii 62-64. 1906.
Wallis, G., Hamb. Gart. Blumenzeit. 31: 222-230, 273-288, 423-425 (reply to criticism by Linden).

TRAVEL REPORTS: (1) *Meine Landung in Brasilien*, Hamb. Gart.-Blum.-Zeit. 12: 304-307. 1856.
(2) *Bereisung der Hochebene von Curitiba*, ib. 15: 394-404. 1859.
(3) *Nachrichten ... aus dem Innern Brasiliens*, Gartenflora 10: 270-273. Aug, 318-324. Sep 1861.
(4) *Notizen auf einer Reise von Para längs des Purus-Flusses*, Gartenflora 13: 278-279. 1864.
(5) *Skizzen von Rio Branco*, Gartenflora 13: 295-305. Oct, 335-341. Nov 1864.

(6) *Gärtnerisch-botanische Steifzüge am Amazonenstrom*, Wochenschr. Gärtn. Pflanzenk. (ed. K. Koch) 1869: 161-164. 29 Mai, 171-173. 5 Jun 1869.
(7) *Reisebericht über den Purusfluss* 13: 241-246. 6 Aug, 213-216. 9 Jul, 221-223. 16 Jul 1870.
(8) *La végétation de la Guiane brésilienne* (free translation of (7) by Ed. André, Ill. hort. 18: 58-64, 78-83. 1871.
(9) *La Guyane brésilienne au point de vue botanique*, (transl. Ch. Firket), Belg. hort. 1872: 39-59.
(10) *Voyages et découvertes ... dans l'Amérique du Sud*, ... Belg. hort. 29: 171-215. 1879 [see also 1881: 172-190].
(11) *Reise-Erinnerungen*, Gartenflora 25: 49-55, 111-116, 144-146, 299-305. 1876, 26: 77-83, 344-352. 1877.

EPONYMY: *Wallisia* E. Regel (1875).

**16.587.** *Die Alpenwelt* in ihren Beziehungen zur Gärtnerei ... Wien (L.W. Seidel) 1854.
*Publ.*: 1854 (ÖbW 5 Oct 1854; Flora 14 Oct 1853). (n.v.).
*Ref.*: Schlechtendal, D.F.L von, Bot. Zeit. 12: 831-832. 24 Nov 1854.

**Wallis, John** (1714-1793), Britsh clergyman, county historian and naturalist; MA Oxford 1740, curate at Simonburn c. 1746-1772, at Billingham 1776-1792. (*J. Wallis*).

HERBARIUM and TYPES: Unknown. – *Letters* in N.J. Winch corr. at LINN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 455; BB p. 315; BM 5: 2259; Desmond p. 637 (d. 19 Jul 1793); DNB 59: 145; GR p. 418; Jackson p. 257; LS 26261.

BIOFILE: Baker, J.G., Nat. Hist. Trans. Northumberland 14: 77. 1903.
Nichols, J., Lit. anecdotes eighteenth cent. 7: 704, 8: 758-760 (n.v.).
Pulteney, R., Hist. biogr. sketch bot. England 1: 356. 1790.

**16.588.** *The natural history and antiquities of Northumberland*: and of so much of the County of Durham as lies between the rivers Tyne and Tweed; commonly called, North Bishoprick ... London (printed for the author, by W. and W. Strahan ...) 1769. 2 vols. Qu. (*Nat. hist. Northumberland*).
*1*: 1769, p. [i-iv], [1-4 subscr.], v-xxxii, [1]-438, [439, err.].
*2*: 1769, p. [i-iv], [1]-562, 1-22, [23, err.].
*Copy*: PH.

**Wallman, Johan Haquin** (1792-1853), Swedish botanist, archaeologist and high school teacher; Dr. phil. Uppsala 1815; teacher in natural history at the gymnasium of Linköping 1822, lecturer in history ib. 1829. (*Wallman*).

HERBARIUM and TYPES: Some specimens from central Sweden at the Cathedral School in Linköping, fide Löwegren (1974).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 663; Barnhart 3: 455; BM 5: 2259; DTS 1: 319; Herder p. 483; KR p. 749-750 (b. 7 Jul 1792, d. 25 Jun 1853); MW p. 520; PR 5312, 9960-9961, ed. 1: 10948; Rehder 1: 251; TL-2/4528.

BIOFILE: Floderus, E., Sv. män kvinn. 8: 204. 1955 (biogr.).
Löwegren, Y., Årsb. i sv. undervisningshist. 132: 140, 148. 1974.
Rydh., H., *in* Nordisk familjebok ed. 3. 19: 1360. 1933.
Wood, R.D., Monogr. Charac. 1: 848. 1965.

COMPOSITE WORKS: Edited S. Liljeblad, *Utkast Sv. fl.* ed. 3, 1816 (class (5) 8-16), see TL-2/4528 and KR p. 749, no. 2.

**16.589.** *De systematibus vegetabilium* qua ratione oeconomicae scientiae profuerint. Dissertatio cujus tentamen primum consensu ampliss. Fac. philosoph. Upsal. publicae cen-

surae subjiciunt Mag. Johannes H. Wallman ... et Sveno Waenerberg ... Audit. Gustav. die xxix Novemb. mdcccxv. H.A.M.S. Upsaliae (Excudebant Zeipel et Palmblad ...) [1815]. Qu. (*Syst. veg.*).
*Tent. 1*: 29 Nov 1815, p. [i-iv], [1]-8. *Copies*: BR, LD-UB. – Author: Wallman, respondens Sven Waenerberg.
*Tent. 2*: 2 Dec 1815, p. [i-iv], 9-16. *Copies*: BR, LD-UB. – Author: Wallman, respondens Johannes Hagdahl.

**16.590.** *Försök till en systematisk uppställning af växtfamiljen Characeae*; ... Stockholm (P.A. Norstedt & Söner, ...) 1853. Oct. (*Förs. syst. uppställn. Charac.*).
*Publ.*: 1853 (after 1 Apr 1853, date of submission mss. to Akad.; Flora 14, 21 Jan 1854 rev.), p. [1]-103. *Copies*: G, LD.
*Journal issue* (reprint): 1854 (date of printing Handl.), p. [229]-331. *Copies*: B-S, LD, NY. – From Sv. Vet.-Akad. Handl. 1852: 229-331. 1854.
*French transl.*: 1856, see below.

**16.591.** *Essai d'une exposition systématique de la famille des Characées*, par feu J. Wallman; traduit du Suédois par M. le D.r W. Nylander; publié par les soins de M. Durieu de Maisonneuve ... à Bordeaux (Chez Th. Lafargue, ...) 1856. Oct. (*Essai expos. syst. Charac.*).
*Publ.*: 1856, p. [i, iii], [1]-91. *Copies*: B, BR, G, HH, NY(2). – Preprinted or reprinted from Act. Soc. Linn. Bordeaux 21(1): [1]-91. 1856.

**Wallnöfer, Anton** (*fl.* 1888), Austrian bryologist in Klagenfurt. (*Walln.*).

HERBARIUM and TYPES: Had a large bryophyte herbarium (40.000 specimens), which was offered for sale by him in 1905 (Rev. bryol. 32(1): 16. 1905. – Some material by him is at BM (until 1969 at K) and QK.

BIBLIOGRAPHY and BIOGRAPHY: CSP 19: 457.

**16.592.** *Die Laubmoose Kärntens*. Systematisch zusammengestellt von ... Klagenfurt (Druck von F. v. Kleinmayr) 1889. Oct. (*Laubm. Kärnt.*).
*Publ.*: 1889 (p. 4: Jul 1888; Bot. Zeit. 31 Mai 1889; ÖbZ 1 Jun 1889), cover-t.p., p. [1]-155. *Copies*: B, H, M, MO, NY. – Preprinted or reprinted from Jahrb. naturh. Landesmus. Kärnten 20: [1]-155. 1889.
*Ref.*: Geheeb, A., Bot. Centralbl. 39: 317-318. 10 Sep 1889 (rev.).

**Wallroth, [Carl] Friedrich Wilhelm** (1792-1857), German (Prussian Saxony) botanist; studied medicine at Halle (with K.P.J. Sprengel); Dr. med. Göttingen 1815; physician in the Hannover army 1815; practicing physician in Heringen 1816; regional physician 1822, from 1825 in Nordhausen. (*Wallr.*).

HERBARIUM and TYPES: PR (phan., some crypt.), STR (fungi, Cladoniac.), JE (part of phan.). – Other material in B (mainly destr.), BR, G, G-DC, GOET, HAL, KIEL, LE, LZ (destr.), MW, WRSL. – Kützing (1857) remarks that Wallroth kept the localities of his new species secret and that, on purpose, no localities were cited of rare or new species, even on his herbarium sheets. – *Letters* at G, HAL (to D.F.L. v. Schlechtendal), HU, UPS-UB. – *Exsiccatae*: A series *Lichenes florae Germ. exs.* of 6 fasc. is mentioned by Sydow (fide T. Ahti), but is not known to exist.

BIBLIOGRAPHY and BIOGRAPHY: ADB 40: 766-768; AG 6(2): 28; Ainsworth p. 96, 313, 348; Backer p. 621; Barnhart 3: 455 (b. 13 Mar 1792, d. 22 Mar 1857); BM 5: 2259; CSP 6: 254; De Toni 1: cxxviii, 2: cxix; Frank 3 (Anh.): 110; GR p. 52, cat. p. 73; Hawksworth p. 186; Hegi 5(2): 1189; Herder p. 483 [index]; Hortus 3: 1206; IF p. 737; IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 142, 295, 296, 297, 304; Kelly p. 237; Krempelh. 2: 158; LS 28265-28273; Moebius p. 457 [index]; MW p. 520; Nordstedt p. 31; PR 837, 9962-9971, ed. 1: 948, 10949-10958; Rehder 5: 900; SBC p. 134; Stevenson p. 1262; TL-1/1384-1385; TL-2/451, 559, see F.C.G. Arnold; Tucker 1: 729; Urban-Berl. p. 283, 292; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Bonplandia 6: 133. (Duby at G bought cryptogams [probably fungi and Cladoniac. now at STR], 340. 1858; Bot. Not. 1858: 14 (d.); Bot. Zeit. 5: 824. 1847 (W. acquires herb. Ekart), 15: 280. 1857 (d.), 16: 224. 1858 (library bought by Friedländer; Cladoniac. by Duby; part of the other lichens by Rabenhorst; the Ekart herbarium by Irmisch [now JE], main phan. herb. still for sale); Flora 19: 608. 1836 (Hofrath Preussen); Österr. bot. W. 7: 154. 1857 (d.); Oesterr. bot. Z. 9: 141. 1859 (gen. phan. herb. bought by PR).
Candolle, Alph. de, Phytographie 458. 1880.
Irmisch, Th., Bot. Zeit. 15: 545-555. 1857 (obit.).
Fitting, H., Z. Naturw., ed. G. Brandes, 69: 337-341. 1897.
Kellner, Beitr. Heimatk. Stadt Kreis Nordhausen 4: 50-57. 1979 (fide Wagenitz).
Kützing, F.T., Bonplandia 5: 147-148. 1857 (obit.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 773. 1985.
Müller, R.H.W. & R. Zaunick, Friedr. Traug. Kützing 233, 249, 297. 1960.
Nees von Esenbeck, C.G., Bonplandia 5: 284. 1857 (lists the seven parts of the herbarium: Lichens, Cladon., Crypt., gen. herb., Ekart herb., Roses, native woods).
Osswald, L., Mitt. thür. bot. Ver. ser. 2. 9: 14-27. 1896 (biogr.).
Rauschert, S., Wiss. Z. Univ. Halle math. nat. R. 14: 495 (herb. PR).
Sayre, G., Mem. New York Bot. Gard. 19(1): 172. 1969.
Váňa, J., Taxon 29: 674. 1980 (bryophytes of W.'s herbarium in PR "at present not to be found").
Wagenitz, G., Index coll. princ. herb. Gott. 173. 1982.

HANDWRITING: Candollea 34: 195-196. 1979.

**16.593.** *Geschichte des Obstes der Alten*, ... Halle (Hendels Verlag) 1812. Oct. (*Gesch. Obst. Alten*).
*Publ.*: 1812, p. [i]-xviii, [1]-142. *Copy*: G.

**16.594.** Frider. Guil. Wallroth, ... *Annus botanicus*, sive supplementum tertium ad Curtii Sprengelii Floram Halensem ... Halae [Halle] (sumtibus Car. Aug. Kümmelii) 1815. Oct. (*Annus bot.*).
*Publ.*: Jan-Jun 1815 (p. xxx: 5 ante Calend Oct; Hinrichs Jan-Jun 1815; JGE 20 Sep 1815), p. [i]-xxx, [1]-200, *pl. 1-6* (uncol. copp.). *Copies*: B, BR, G, H, HH, MO, NY, PH, US, USDA; IDC 6484. – For K.P.J. Sprengel, *Tent. fl. halens.* 1806 and supplements see TL-2/12.677, 12.678, 12.682.

**16.595.** Fred. Guil. Wallroth, ... *Schedulae criticae* de plantis florae halensis selectis. Corollarium novum ad C. Sprengelii Floram Halensem. Accedunt generum quorundam specierumque omnium definitiones novae, excursus in stirpes difficiliores et icones v. Tomus I. Phanerogamia. Halae [Halle] (Sumtibus Car. Aug. Kümmelii) 1822. †. Oct. (*Sched. crit.*).
*Publ.*: 1822 (p. 516: 1 Jul 1821), p. [i-iii], [1]-516, *pl. 1-5*. *Copies*: B, BR, G, H, HH, NY, USDA. – See also TL-2/12.677.
*Ref.*: Anon., Flora 6(1): 81-88. 14 Feb 1823 (rev.).

**16.596.** *Naturgeschichte der Flechten.* Nach neuen Normen und in ihrem Umfange bearbeitet ... Ein fasslicher Unterricht zum Selbststudium der Flechtenkunde ... Frankfurt am Main (bey Friedrich Wilmans) 1825-1827, 2 vols. Oct. (*Naturgesch. Flecht.*).
*1*: 1825 (Linnaea rev. Jan 1825), p. [i]-lviii, [1]-722, [1, err.].
*2*: 1827 (Linnaea rev. Jan 1827), p. [i]-xvi, [1]-518, [519, err.].
*Copies*: B-S, G, L, M, MO, NY, Stevenson, USDA; IDC 590.

**16.597.** *Orobanches generis diaskene* ad Carolum Mertensium professorem apud Bremanos celeberrimum epistola ... Francofurti ad Moenum [Frankfurt a.M.] (apud Fredericum Wilmans) 1825. Oct. (in 4-s). (*Orobanches gen. diask.*).
*Letter*: to Franz Karl Mertens (1764-1831), TL-2/3: 430-431.
*Publ.*: 1825 (Linnaea Jan 1826; rev.), p. [1]-80, [1, err.]. *Copies*: B-S, BR, G, NY, USDA.

**16.598.** *Rosae plantarum generis historia* succincta, in qua rosarum species tum suae terrae

proventu tum in hortis natas suppositicias secundum normas naturales ad stirpium besses tres primitivos revocat inque speciminum ratorum fidem rhodologorum et rhodophilorum captui accomodat ... Nordhusae [Nordhausen] (in Libraria Koehniana) 1828. Oct. (*Ros. pl. gen. hist.*).
*Publ.*: 1828 (p. xii: 6 Jan 1828; Linnaea Oct-Dec 1828; Flora rev. 7 Sep 1828), p. [i]-xii, [1]-311, [312, colo.]. *Copies*: B-S, BR, G, HH, MICH, NY, USDA.

**16.599.** *Naturgeschichte der Säulchen-Flechten*; oder monographischer Abschluss über die Flechten-Gattung Cenomyce Acharii ... Naumburg (in Commission bei Eduard Zimmermann) 1829. Oct. (*Naturgesch. Säulchen-Flecht.*).
*Publ.*: 1829 (p. iv: 15 Dec 1828; Flora Jan-Mar 1830), p. [i]-vi, [1]-198. *Copies*: B, B-S, G, H, HH, KU, MO, NY(2), Stevenson.

**16.600.** *Flora cryptogamica Germaniae* ... Norimbergae (sumptibus J.L. Schragii) 1831-1833, 2 parts. Duod. (*Fl. crypt. Germ.*).
*Publ.*: 1831-1833, also published as vols. 3-4 of M.J. Bluff and K.A. Fingerhuth, *Compendium florae Germanicae* sectio ii. plantae cryptogamicae s. cellulosae, see TL-2/559. The volumes have two t.p.'s: [ii] Wallroth, *Fl. crypt. Germ.* and [iii] Bluff and Fingerhuth, *Comp. fl. Germ. Copies*: B-S, BR, G, H, HH, L, M, MICH, NY, PH, Stevenson; IDC 5800.
*1* (Filices, Lichenastra, Muscos et Lichenes): 1831 (p. xii: 13 Mar 1831; Flora Jul 1831), p. [ii]-xxvi, [xxvii], [1]-654.
*2* (Continens Algas et Fungos): Feb-Mar 1833 (p. viii: 12 Dec 1832; Paris Acad. rd. 8 Apr 1833; Flora 28 Mar 1832), p. [ii]-lvi, [1]-923.

**16.601.** *Erster Beitrag zur Flora hercynica* ... Erste Abtheilung, allgemeine Berichtigungen einiger, in Hampe's Prodromus Fl. Hercyn. erwähnten Gewächsarten enthaltend ... Halle (Druck der Gebauer-Schwetschkeschen Buchdruckerei) 1840. Oct. (*Erst. Beitr. Fl. hercyn.*).
*1*: 5-11 Jul 1840 (date in journal; possibly preprinted), p. [i], [1]-158. – Preprinted or reprinted from Linnaea 14: 1-158. 5-11 Jul 1840.
*2*: 1840 (date of t.p. preprint: journal issue Mar 1841), p. [i], [159]-334. – Preprinted from Linnaea 14: 529-704. Mar 1841. – "Zweite Abtheilung, specielle Nachweisungen einiger ... Gewächsarten und Formen enthaltend".
*Copies*: B, G, H. – AG[6(2): 28]: Ungeniessbar ist seine Polemik gegen Hampe ..." See also Osswald (1896).

**16.602.** *Beiträge zur Botanik*. Eine Sammlung monographischer Abhandlungen über besonders schwierige Gewächs-Gattungen der Flora Teutschlands ... Erster Band ... Leipzig (bei Friedrich Hofmeister) 1842-1844, 2 Hefte. †. Oct. (*Beitr. bot.*).
*Heft 1*: 31 Aug-2 Sep 1842 (Hinrichs; p. vi: Mar 1842; Flora 14 Nov 1842: note dated Aug 1842; Deutsche Naturforscher 21 Sep 1842), p. [i]-vi, [1]-123, [124, cont.], *pl. 1-2* (col. copp.).
*Heft 2*: 8-10 Aug 1844 (Hinrichs; Gersdorf 27 Sep 1844; Flora 21 Sep 1844; Bot. Zeit. 30 Aug 1844; Flora rd. Aug 1844), p. [125]-252, *pl. 3* (id.).
*Copies*: B-S, G, HH, MO, NY, Teyler.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 3: 24-27. 1845 (rev.).

**Walpers, Wilhelm Gerhard** (1816-1853), German (Thuringian) botanist; studied at the University of Greifswald (1836) and Breslau (1837-1838); Dr. phil. Greifswald 1839; from then on independent scientist in Berlin; habil. Univ. Berlin 1848. (*Walp.*).

HERBARIUM and TYPES: Walpers' own herbarium, containing many of the types of his new taxa, was sold after his death. This herbarium contained about 3000 species in 53 portfolio's "fast ungeordnet". In addition to this personal herbarium Walpers owned a collection of plants (1000 species) from Guadeloupe and Panama made by Duchassaing, also containing many types, the Elkan herbarium with the Flora Borussica types (see C.A. Patze et al., *Fl. Preuss.*, TL-2/7509) and collections of pharmaceutical plants and preparations. All these collections were offered for sale but their present location is unknown. – *Letters* to D.F.L. von Schlechtendal in HAL; other letters at G, UPS-UB.

NOTE: Flora (36: 423. 1853): "Am 18. Juni d. J. entleibte sich durch einen Pistolenschuss zu Köpenick bei Berlin der Privatdocent Dr. Walpers, bekannt als Verfasser des Repertorium und der Annales botanices systematicae wie mehrerer anderer botanischer Schriften und Abhandlungen. Gekränkter Ehrgeiz und andere bittere Lebenserfahrungen sollen den Unglücklichen zu diesem traurigen Schritte vermocht haben, von welchem er Tags vorher auch der Redaction dieser Blätter schriftliche Nachricht gab, mit der Bitte nachstehende Anzeige zu veröffentlichen". (Follows a summary of his herbaria: Collection Guadeloupe by Duchassaing; herbarium Elkan (4.500); Walper's own herbarium with his types; herbarium medicinale; pharmacological collection).

BIBLIOGRAPHY and BIOGRAPHY: ADB 40: 769-770; AG 2(1): 730; Backer p. 663; Barnhart 3: 455 (b. 26 Dec 1816, d. 18 Jun 1853); BM 5: 2260; CSP 6: 254-255; Frank 3 (Anh.): 110; GR p. 150-151; Herder p. 143; Hortus 3: 1206; Jackson p. 117, 118, 350; Lasègue p. 526; LS 28274; MW p. 520; PR 1112, 6143, 9972-9974, ed. 1: 933, 2242, 10960-10961; Rehder 5: 900; RS p. 147; SBC p. 134; TL-1/1386-1387; TL-2/5895, see indexes; Tucker 1: 729; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Bonplandia 1: 134, 137, 143, 160 (list herb. etc. from W.'s estate), 197, 207, 256. 1853, 2: 41. (plea to continue *Annales*), 268 (cogn. Leopoldina Hill). 1854; Bot. Zeit. 6: 112. 1848 (habil. Berlin), 7: 568. 1849 (appointment to two State Commissions), 11: 512. 1853 (d.); Flora 31: 254. 1848 (habil.), 36: 423. 1853 (descr. of death, reasons, list herbaria); G.W. Walpers Botanische Bibliothek welche am 1. Juni 1854 in Berlin ... versteigert werden soll, Berlin 1854. Friedländer (enclosed with Linnaea 26(2) Apr 1854); Österr. bot. W. 3: 237, 254. 1853 (d.).
Asen, J., Gesamtverz. Lehrkörp. Univ. Berlin 1: 209. 1955 (Privatdozent für Botanik 7 Jan 1848).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 773. 1985.
Schacht, H., Flora 36: 1-13. 1853 (polemics on Walpers' review of Schacht's *Die Pflanzenzelle*; Walpers replied ib. p. 65-67).
Seemann, B., Bonplandia 1: 134, 137, 143 (further details on death by suicide), 197-200 (obit., bibl.) 1853, 2: 163-166, 176-178. 1854 (letters Walpers to Seemann).
Stafleu, F.A., *in* Essays in biohistory (Regn. veg. 71) 317, 318, 327, 328, 331, 340. 1970.

COMPOSITE WORKS: (1) Translation, *Über die geometrische Anordnung der Blätter und der Blüthenstande* von L. und A. Bravais, Breslau 1839 (originally published in Ann. Sci. nat., Bot. with additional material; for further details see Cat. gén. livr. impr. Bibl. natl. 217: 729-730. 1973). – Also W.G. Walpers, *Verzeichniss der in meiner Übersetzung der Bravais'schen Arbeit über Blatt- und Blüthenstellung befindlichen Irrthümer*, Berlin 1840 (n.v.).
(2) *Cruciferas*, *Capparideas*, *Calycereas* et *Compositas*, quas Meyenius in orbis circumnavigatione collegit enumerat novasque describit G. Walpers, *in* F.J.F. Meyen, *Observ. bot.* Dec 1843, TL-2/5895, Nova Acta Leop. 17(2) [19(1)], 247-296. Also repaginated p. [1]-48 as part of a large reprint p. [1]-247 [*copy*: G] corresponding with p. 249-495 of the Meyen publication, in which Meyen also treated Dicotyledoneae Thalamiflorae on p. 297-424.

EPONYMY: *Walpersia* Reissek ex Endlicher (1840, *nom. rej.*); *Walpersia* W.H. Harvey (1862, *nom. cons.*).

**16.603.** *Animadversiones criticae in Leguminosas capenses* herbarii regii berolinensis. Dissertatio inauguralis botanica quam consensu et auctoritate amplissimi philosophorum ordinis in alma hac Universitate literaria Gryphica ut summi in philosophia honores sibi contribuantur die xvi. decembris anni mdcccxxxix h.l.q.s. publice defendet ... Halis [Halle a.S.] (Typis expressum Gebauero-Schwetschkianis) [1839]. Oct. (*Animadv. Legum. cap.*).
*Publ.*: 16 Dec 1839, p. [i-iii], [1]-99, [100, theses]. *Copies*: G, M, NY, USDA, WU. – Preprinted from Linnaea 13: 449-543. Feb 1840.

**16.604.** *Repertorium botanices systematicae* ... Lipsiae [Leipzig] (sumtibus Friderici Hofmeister) 1842-1847, 6 vols. Oct. (*Repert. bot. syst.*).

*1*: 1842-1843 (for details of parts see table below), p. [i*-iv*], [i]-iv, [1]-947,[949-952, err.].
*2*: 1843, p. [i*], [i]-viii, [1]-1029.
*3*: 1844-1845, p. [i*-iv*], [ii]-xii, [1]-1002, 952 b. err., [1003-1006, err.].
*4*: 1845-1848, p. [ii]-viii, [1]-821, [823].
*5*: 1845-1846, p. [ii*-v*], [i]-viii, [1]-982.
*6*: 1846-1847, p. [i*], [ii]-viii, [1]-834.
*Copies*: B, BR, G, H, HH, M, MICH, MO, NY, PH, U, US, USDA; IDC 637.

| vol. | part | pages | dates | vol. | part | pages | dates |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1-192 | 10-13 Aug 1842 | 2 | 1 | 1-192 | 5-9 Apr 1843 |
| | 2 | 193-384 | 18-20 Sep 1842 | | 2 | 193-384 | 24-27 Mai 1843 |
| | 3 | 385-576 | 6-8 Nov 1842 | | 3 | 385-576 | 13-15 Jul 1843 |
| | 4 | 577-768 | 7-10 Dec 1842 | | 4 | 577-734 | 28-30 Aug 1843 |
| | 5 | 769-947 | 26-29 Jan 1843 | | 5 | 735-1029 | 28-30 Dec 1843 |
| 3 | 1 | 1-192 | 10-13 Apr 1844 | 4 | 1 | 1-192 | 25-28 Jun 1845 |
| | 2 | 193-384 | 11-13 Jul 1844 | | 2 | 193-384 | 24-27 Nov 1847 |
| | 3 | 385-576 | 12-14 Sep 1844 | | 3 | 385-576 | 29-30 Dec 1847 |
| | 4 | 577-768 | 7-9 Nov 1844 | | 4 | 577-768 | 23-26 Feb 1848 |
| | 5 | 769-1002 | 30 Jan-1 Feb 1845 | | 5 | 769-821 | 23-26 Feb 1848 |
| 5 | 1 | 1-192 | 27-29 Nov 1845 | 6 | 1 | 1-192 | 3-5 Sep 1846 |
| | 2 | 193-384 | 1-2 Jan 1846 | | 2 | 193-384 | 2-3 Nov 1846 |
| | 3 | 385-576 | 19-21 Feb 1846 | | 3 | 385-576 | 3-6 Feb 1847 |
| | 4 | 577-768 (760?) | 14-15 Apr 1846 | | 4 | 577-768 | 19-22 Mai 1847 |
| | 5 | 769-982 | 22-24 Jun 1846 | | 5 | 769-834 | 19-22 Mai 1847 |

The above dates are mainly those of receipt by Hinrichs at Leipzig and are further supported by data obtained from reviews in Flora and Botanische Zeitung (assembled by Barnhart).
*Ref.*: Garcke, C.A.F., Jahresber. Naturw. Ver. Halle 4: 136-150. 1851.

**16.605.** *Annales botanices systematicae* ... Lipsiae [Leipzig] (Sumptibus Friderici Hofmeister) 1848-1871, 7 vols. (*Ann. bot. syst.*).
*Authorship*: 1-3: Walpers; 4-7: Karl [Carl] Mueller berol. (1817-1870), see TL-2/3: 638.
*1*: 1848-1849 (for details of parts see table below), p. [ii]-vi, [1]-1127.
*2*: 1851-1852, p. [ii-vii], [1]-1125.
*3*: 1852-1853, p. [ii-iii], [1]-1168.
*4*: 1857-1858, p. [ii]-viii, [1]-959.
*5*: 1858-1860, p. [i]-viii, [1]-966.
*6*: 1861-1865, p. [i]-viii, [1]-1309, [1310].
*7*: 1868-1871,p. [i]-viii, [1]-960.
*Copies*: B, BR, H, HH, MICH, MO, NY, PH, U, US, USDA; IDC 1534.

| vol. | part | pages | dates | vol. | part | pages | dates |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1-192 | 6-7 Nov 1848 | | 5 | 641-800 | Mar-Mai 1858 |
| | 2 | 193-384 | 25-27 Dec 1848 | | 6 | 801-959 | Mai-Sep 1858 |
| | 3 | 385-576 | 14-17 Feb 1849 | 5 | 1 | 1-160 | Sep-Dec 1858 |
| | 4 | 577-768 | 28-31 Mar 1849 | | 2 | 161-320 | Jan-Apr 1859 |
| | 5 | 769-960 | 6-9 Jun 1849 | | 3 | 321-480 | Apr-Sep 1859 |
| | 6 | 961-1127 | 4-7 Jul 1849 | | 4 | 481-640 | Sep-Dec 1859 |
| 2 | 1 | 1-192 | 15-16 Dec 1851 | | 5 | 641-800 | 1860 |
| | 2 | 193-384 | 21-24 Jan 1852 | | 6 | 801-966 | 1860 |
| | 3 | 385-576 | 25-28 Feb 1852 | 6 | 1 | 1-160 | Jan-Oct 1861 |
| | 4 | 577-768 | 31 Mar-3 Apr 1852 | | 2 | 161-320 | Oct-Dec 1861 |
| | | | | | 3 | 321-480 | Jul-Nov 1862 |
| | 5 | 769-960 | 21-24 Apr 1852 | | | | |

| vol. | part | pages | dates | vol. | part | pages | dates |
|---|---|---|---|---|---|---|---|
| | 6 | 961-1125 | 12-15 Mai 1852 | | 4 | 481-640 | Jan-Jul 1863 |
| 3 | 1 | 1-192 | 30 Jun-2 Jul 1852 | | 5 | 641-800 | Jan-Mar 1863 |
| | 2 | 193-384 | 27-28 Jul 1852 | | 6 | 801-960 | Mar-Dec 1864 |
| | 3 | 385-576 | 24-25 Aug 1852 | | 7 | 961-1120 | 1865 |
| | 4 | 577-76 8 | 28-29 Sep 1852 | | 8 | 1121-1309 | Jul-Dec 1865 |
| | 5 | 769-960 | 22-24 Nov 1852 | 7 | 1 | 1-160 | Jan-Aug 1868 |
| | 6 | 961-1168 | 13-14 Jan 1853 | | 2 | 161-320 | Aug-Dec 1868 |
| 4 | 1 | 1-160 | Mai 1857 | | 3 | 321-480 | Jan-Aug 1869 |
| | 2 | 161-320 | Aug 1857 | | 4 | 481-640 | Oct-Dec 1869 |
| | 3 | 321-480 | Nov 1857 | | 5 | 641-800 | 1870 |
| | 4 | 481-640 | Jan-Feb 1858 | | 6 | 801-960 | Jan-Jun 1871 |

The above dates are those of receipt by Hinrichs (1848-1853) or based on reviews in Botanische Zeitung, Bonplandia, Bull. Soc. bot. France, Kew Journ. Bot., Oest. Bot. Wochenbl., Ann. Journ. Sci., some of which were assembled by Barnhart, as well as on information contained in Walpers's correspondence. The dates for vols. 4-7 are conjectural; more precise information can be obtained from Hinrich's lists for the years 1857-1871 (not available to us). In general it is more likely that the parts appeared towards the end of the periods indicated than towards the beginning. Walpers committed suicide in 1853. The Annales were then continued by Carl Mueller. For critical notes by Walpers on some of his reviewers see his notes on the covers of Heft 1 and 5 of volume 3 of the Annales. Walpers had already decided before his death not to continue the "Annales" beyond volume 3. In his letters to Seemann he wrote "Lass sich einmal ein Anderer dabei machen diese undankbare Arbeit fortzusetzen; ich habe mir damit anstatt Freunde, Feinde gemacht; ich habe die Sache herzlich satt; der Verleger wird reich, ich arm dabei .."

*Ref.*: Seemann, B., Bonplandia 2: 87-88, 123-124, 163-166, 176-178. 1854.

**Walpert, H.** (*fl.* 1852-1855), German pharmacist and botanist at Magdeburg. (*Walpert*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2260; Herder p. 190; Jackson p. 293; PR 9975-9976; Rehder 5: 900.

**16.606.** *Alphabetisch-synonymisches Wörterbuch der deutschen Pflanzennamen*, sowie der pflanzlichen Erzeugnisse, mit Angabe der systematischen Namen der Pflanzen. Ein Handbuch für Apotheker, Droguisten, Landwirthe, Forstbeamte und jeden Freund der Pflanzenkunde ... Lateinsch-deutsche Abtheilung ... Magdeburg (Heinrichshofen'sche Buchhandlung) 1852. Oct. (*Alph. Wörterb. deut. Pfl.-Nam.*).
*Publ.*: 1852 (p. viii: Mar 1852; Flora rd. 28 Mai-14 Sep 1852), p. [i]-viii, [1]-205, [206, colo.]. *Copies*: B-S, HH, M, MO.

**16.607.** *Synonyme der Phanerogamen* und cryptogamischen Gefässpflanzen, welche in Deutschland und in der Schweiz wild wachsen ... Lissa (Druck und Verlag von Ernst Günther) 1855. Oct. (*Syn. Phan.*).
*Publ.*: 1855 (Bot. Zeit. 11 Jan 1856; ÖbW 13 Mar 1856), p. [i-iii], [1]-311. *Copies*: B, MO.

**Walpole, Branson Alva** (1890-1952), American botanist and teacher; teacher of agriculture, high school, Ypsilanti, Michigan 1915-1921, asst. professor of vocational education Michigan State College 1921. (*B. Walpole*).

HERBARIUM and TYPES: MICH, MSC.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 455 (b. 26 Jul 1891); BL 2: 191, 323.

BIOFILE: Anon., Hillsdale Daily News, Michigan, 15 Dec 1952 (b. 26 Jul 1890, d. 13 Dec 1952); Index Amer. bot. lit. 1886-1966, 4: 451. 1969.

**16.608.** *Flora of Washtenaw County.* Michigan ... Ypsilanti (Department of natural science ...) [1924]. Oct. (*Fl. Washtenaw Co.*).
*Publ.*: Mar 1924 (p. 3: Mar 1924), p. [1]-80. *Copies*: H, HH, MICH, MO, NY, US, USDA.

**16.609.** *Distribution of the Cruciferae in Michigan* ... Reprinted from Papers of the Michigan Academy of Science, Arts and Letters ... 1926 [i.e. 1927]. Oct.
*Publ.*: Mar 1927, cover-t.p., p. 307-349. *Copies*: NY, US. – Reprinted and to be cited from Pap. Mich. Acad. Sci. 6: 307-349. 1927.

**Walter, Hans Paul Heinrich** (1882-x), German (Prussian) botanist; studied at Halle 1902-1904, Freiburg i.Br. 1904, Halle 1904-1906; Dr. phil. Erlangen 1906; collaborator of A. Engler 1906-1909. (*Ha. Walter*).

HERBARIUM and TYPES: B (mainly destr.).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 663; Biol.-Dokum. 18: 9729; BJI 2: 186; BM 5: 2260; Hortus 3: 1206; IH 1 (ed. 6): 365, (ed. 7): 345; MW p. 520; TL-2/1713; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Bullock, A.A., Bibl. S. Afr. bot. 126. 1978 (cites also ecological publ. S. Africa 1936-1942 which are by Heinrich W. (b. 1898)).

COMPOSITE WORKS: (1) *Phytolaccaceae*, p. [i], [1]-154, 1 Jun 1909, issued in A. Engler, *Pflanzenreich* Heft 39, (iv, 83), see TL-2/1713. Review: W. Wangerin, Bot. Centralbl. 113: 554-556. 24 Mai 1910.
(2) Contributed to C. Schröter, *Lebensgesch. Bl.-Pfl. Mitteleur.* 2(1), TL-2/11.174.

**16.610.** *Die Diagramme der Phytolaccaceen.* Inaugural-Dissertation zur Erlangung der Doktorwürde der Hohen Philosophischen Fakultät der Friedrich-Alexanders-Universität Erlangen ... Leipzig (Wilhelm Engelmann) 1906. Oct. (*Diagr. Phytolacc.*).
*Thesis*: Jan-Mar 1906 (Nat. Nov. Apr(1) 1907), p. [1]-61, [62, vita]. *Copies*: B, G, H, M, NY, USDA. – Preprinted from Bot. Jahrb. 37(Beibl. 85): 1-57. 24 Apr 1906.

**Walter, Heinrich [Karl]** (1898-x), German (Odessa-born) botanist; studied at Jena; assistant, lecturer and professor of botany Heidelberg Univ. 1920-1932; director of the Botanical Institute of the Stuttgart Technical Univ. 1932-1941; director of the Institute of general botany Posen Univ. 1941-1945; director of the Botanical Institute Stuttgart-Hohenheim from 1945; travelled widely in Africa, Australia, and New Zealand; outstanding plant geographer. (*He. Walter*).

HERBARIUM and TYPES: HOH, M, WIND. – Further material in BR. – The herbarium of Erna Walter (b. 1893, wife of H. Walter), containing much material collected by "H. u. E. Walter" is at M (rd. 1980).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 456 (b. 21 Oct 1898, Odessa); BFM p. 324 [index]; Biol.-Dokum. 18: 9729-9731; GR p. 151; Hirsch p. 315; Moebius p. 259; Tucker 3: 325.

BIOFILE: Anon., Hedwigia 72: 231. 1932 (e.o. prof. bot. and dir. bot. gard. Techn. Hochsch. Stuttgart); Österr. bot. Z. 81: 160. 1932 (app. Stuttgart).
Degener, H.A.L., Wer ist's ed. 10. 1678. 1935.
Gunn, M. & L.E. Codd, Bot. Explor. S. Afr. 370. 1981.
Kliemann, H.G. & S.S. Taylor, Who's who in Germany ed. 1: 1217-1218. 1956, ed. 2: 1507. 1960, ed. 3: 1817. 1964.

Oberschelp, R., ed., Gesamtverz. deut. Schriftt. 140: 489. 1981.

FESTSCHRIFT: *Beiträge zur Phytologie* ... z. 65. Geburtstag gewidmet, Stuttgart 1964, 220 p. (portr.) (Arb. Landw. Hochsch. Hohenheim 30).

NOTE: Outside our period: *Die Vegetation Osteuropas*, Berlin 1942, ed. 2. 1943; *Die Vegetation Osteuropas, Nord- und Zentralasiens*, Stuttgart 1974; *Die Vegetation der Erde in ökologischer Betrachtung*, 1 Die tropischen und subtropischen Zonen, Jena 1962, ed. 2. 1964; *Vegetationszonen und Klima*, Stuttgart 1970.

**16.611..** *Einführung in die allgemeine Pflanzengeographie Deutschlands* ... Jena (Verlag von Gustav Fischer) 1927. Oct. (*Einführ. allg. Pfl.-Geogr. Deutschl.*).
*Publ.*: 1927 (p. vii: Aug 1927; Nat. Nov. Feb 1928), p. [i]-xii, [1]-458, map 1-4. *Copies*: B, G, H, M, MO, NY.
*Russian translation*: 1936, n.v.

**16.611.** *Die Hydratur der Pflanze* und ihre physiologisch-ökologische Bedeutung (Untersuchungen über den osmotischen Wert) ... Jena (Verlag von Gustav Fischer) 1931. Oct. (*Hydrat. Pfl.*).
*Publ.*: 1931 (p. viii: Mai 1931; Nat. Nov. Nov 1931), p. [i]-xii, [1]-174. *Copies*: B, BR, H, MO.

**Walter, Thomas** (1740-1789), British-born botanist in North America; emigrated to South Carolina 1768; planter, merchant and politician. (*Walter*).

HERBARIUM and TYPES: BM. – In 1840 Walter's herbarium was in the hands of the family of John Fraser (A. Gray, Am. J. Sci. 40(1): 1-18. 1840) to whom it had been given by Walter himself. John Fraser's son gave it to the Linnean Society in 1849 which kept it until 1863 when it was sold to BM (15 shillings!). The herbarium contains a great many of the plants from the *Flora caroliniana*, often, however, in mediocre condition. – Some further material in BR, H. – Photographs of the 122 sheets of the herbarium at GH. – *Letters* at K.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 621; Barnhart 3: 456 (d. 18 Jan 1789); BB p. 315; BM 5: 2261; DAB 19: 396-399 (Maxon); Desmond p. 638; Dryander 3: 186; Frank 3 (Anh.): 110; Henrey 2: 173-175, 382, 383, 3: 1476; Herder p. 227; Hortus 3: 1206; IF p. 737; Jackson p. 362; IF p. 737; LS 28280; ME 1: 237, 3: 356; PR 9978, ed. 1: 10966; Rehder 1: 317; RS p. 147; SO add. 725a; Stevenson p. 1262; TL-1/1388; see J. Fraser; TL-2/see J. Fraser; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Who was who Amer., Hist. vol. 559. 1963.
Barnhart, J.H., J. New York Bot. Gard. 10: 177-190. 1909, 23: 162. 1922, 24: 152. 1923, 29: 149. 1928; Torreya 9: 246. 1909.
Blake, S.F., Rhodora 16: 117-119. 1914, 17: 129-137. 1915 (some neglected names in Fl. carol.).
Brainerd, E., Bull. Charleston Mus. 3: 33-37. 1907 (visit grave).
Britten, J., J. Bot. 59: 69-74. 1921 (on W. and his grasses).
Darlington, W., Reliq. Baldwin. 20, 79, 82, 84, 117, 146, 163, 172, 329, 333, 337, 341. 1843; Memorials John Bartram and Humphrey Marshall, Philadelphia 1849.
Dayton, W.A., Rhodora 54: 67-79. 1952 (tree names).
Elliot, C.A., Biogr. dict. Amer. sci. 264-265. 1979.
Ewan, J., Taxon 28: 345-346. 1979 (handwriting, illustrated; "addenda"); *in* F. Pursh, *Fl. amer. sept.* facs. ed. 1979, introd. p. 25.
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Fernald, M.L. & B.G. Schubert, Rhodora 50: 190-208. 1984 (on type specimens).
Gee, W., Univ. S. Carol. Bull. 72: 20-23. 1928.
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Hindle, Br., Pursuit sci. revol. Amer. 305, 317. 1956.
Hitchcock, A.S., Ann. Rep. Missouri Bot. Gard. 16: 31-56. 1905 (ident. Walter's grasses).

Lowden, R.M., Taxon, Index pers. names vols. 1-30. 773. 1985.
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Rembert, D.H., Thomas Walter, Carolina botanist, Columbia, S.C. 1980, 33 p. (biogr., portr., sec. refs., herb., grave) (Mus. Bull. 5, S. Carol. Mus. Comm.); Arch. nat. Hist. 12(2): 224. 1985 (on W.'s dedication of *Fl. carol.* to William Pitcairn); Bot. Soc. Amer. Misc. Ser. Publ. 158: 92-93. 1980 (the Walter-Fraser connection); A.S.B. Bull. 27(2): 58. 1980; Huntia 6(2): 129-140. 1986 (index to *Flora caroliniana*).
Rock, H.F.L., Rhodora 58: 311-317. 1956 (binom. Helenium in Fl. carol.).
Sargent, C.S., Garden & Forest 10: 301-302. 1897.
Sprague, Th.A., Bull. misc. Inf. Kew 1939: 331-334. 1939.
Stafleu, F.A., Taxon 12: 83. 1963 (date *Fl. carol.*).
Thomas, C.E., Sandlapper Sep 1969, p. 57-60.
Thomas, J.P., Thomas Walter, botanist, 11 p., Columbia S.C.
Ward, D.B., Rhodora 64: 87-92. 1962 (on *Anonymos*).
Wilbur, R.L., J. Elisha Mitchell Sci. Soc. 78: 125-132. 1962 (identity of Anonymous species).

HANDWRITING: Taxon 28: 346. 1979.

**16.613.** *Flora caroliniana*, secundum systema vegetabilium perillustris Linnaei digesta; characteres essentiales naturalesve et differentias veras exhibens; cum emendationibus numerosis: descriptionum antea evulgatarum: adumbrationes stirpium plus mille continens: nec non, generibus novis non paucis, speciebus plurimis novisq. ornata ... Londini [London] (Sumptibus J. Fraser ...) 1788. Oct. (in 4-s). (*Fl. carol.*).
*Publ.*: Apr-Jun 1788, p. [i]-viii, [1]-263, *1 pl.* (fold out). *Copies*: B, G, HH, MICH, NY, PH, USDA; IDC 5420. – The New York copy has an index p. [i-viii]. Such a copy is also mentioned by H. Lubrecht (1967).
*Index*: see D.H. Rembert Jr., Huntia 6(2): 129-140. 1986.
*Facsimile ed.*: Arnold Arboretum, 1946. *Copies*: BR, FAS, HH.
*Note*: Walter brought the manuscript to London where he arrived in the course of March 1788. The book was published before July (cf. Analytical review 1: 381. Jul 1788). – The designation *Anonymos* (on p. 2, 4, 9 etc.) is a word applied to 28 different genera by Walter to indicate that they were without names. *Anonymos* cannot be regarded as a generic name (see ICBN Art. 20.4(a); combinations such as Anonymos aquatica (p. 230) are not validly published (Art. 43).

**Walther, Alexander Wilhelm Hannibal Franz** (1813-1890), German (Bavarian/Oberfranken) physician and botanist at Bayreuth. (*Al. Walther*).

HERBARIUM and TYPES: M; further material in B (partly extant), IBF, WRSL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 456; BM 5: 2261; Herder p. 267; PR 9979; SBC p. 134; Urban-Berl. 283, 316.

BIOFILE: Hertel, H., Mitt. Bot. München 16: 451. 1980 (coll. lich. at M).

**16.614.** *Die Laubmoose Oberfrankens.* Beiträge zur Pflanzengeographie und Systematik und zur Theorie vom Ursprunge der Arten ... Leipzig (In Commission bei Wilhelm Engelmann) 1968. Oct. (*Laubm. Oberfrank.*).
*Co-author*: Ludwig Molendo (1833-1902).
*Publ.*: Jul-Aug 1868 (p. vii: 1 Jul 1868; rev. ÖbZ 1 Sep 1868; rev. Hedwigia Nov 1868), p. [i]-vii; [1]-279. *Copies*: B, FH, G, H, NY.
*Ref.*: Sauter, A.E., Flora 51: 357-363. 10 Sep 1868 (rev.).
H.S., Bot. Zeit. 26: 909-910. 25 Dec 1868.

**Walther, Augustin Friedrich** (1688-1746), German (Sachsen-Anhalt) physician and botanist; professor of pathology in Leipzig. (*Au. Walther*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 621; Barnhart 3: 456 (b. 26 Oct 1688, d. 12 Oct 1746); BM 5: 2261; Bossert p. 425; Dryander 3: 121, 201, 203, 372; Hegi 4(1): 169; Herder p. 160, 418; HU 497; Jackson p. 429; NI 2103; PR 9980-9983, ed. 1: 10967-10971; Rehder 1: 43; Tucker 1: 730.

BIOFILE: Anon., Brit. Mus. gen. cat print. books 252: 582-585. 1965; Cat. gén. livr. impr. Bibl. natl. 217: 998-1001. 1973.
Fries, Th.M., Bref Skrifv. Linné 1(4): 43. 1910.
Hulth, J.M. & A.H. Uggla, Bref Skrifv. Linné 2(2): 27, 28, 29. 1943.
Wittrock, V.B., Acta Horti Berg. 3(2): 146. 1905.

EPONYMY: *Waltheria* Linnaeus (1753).

**16.615.** *Designatio plantarum* quas Hortus August. Friderici Waltheri ... complectitur accedunt novae plantarum icones xxiv. Lipsiae [Leipzig] (apud Joh. Frid. Gleditschii B. filium) 1735. Oct. (*Design. pl.*).
*Publ.*: 1735, p. [i-iv], [1]-171, [172, err.]. *pl. 1-24* (uncol. copp.). *Copies*: G, HU. – See HU 497 for an analytical bibliographical analysis.

**Walther, [Edward] Eric** (1892-1959), German (Saxonian), later American horticulturist; student of the Crassulaceae; to the United States 1909; connected with Golden Gate Park, San Francisco from 1918-1957; ultimately first director of the Strybing Arboretum. (*E. Walther*).

HERBARIUM and TYPES: CAS. – Further material in A.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 456 (b. 14 Oct 1892, d. 2 Jul 1959); Bossert p. 425 (Edward Eric W.); Hortus 3: 1206; IH 1 (ed. 1): 85, (ed. 2): 108, (ed. 3): 138, (ed. 4): 153, (ed. 5): 164; Langman 789-790; Tucker 3: 325; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 452-453. 1969 (bibl.).
Bullock, A.A., Bibl. S. Afr. bot. 1978.
Howell, J.T., Leafl. W. Bot. 7(3): 96. 1973 (coll. CAS).
Lindsay, G.E., *in* E. Walther, Echeveria vii-ix. 1972.
McClintock, E., Amer. hort. Mag. 39: 76. 1960 (obit.); Calif. Hort. J. 32(3): 88-94, 213. 1971 (biogr., portr.), 33: 73-76, 113-117. 1972 (bibl.).
Reiter, V., Jr., J. Calif. Hort. Soc. 20(3): 64-65, 76. 1959 (obit., portr.).

NOTE: Major publication outside our period (posthumous): *Echeveria*, San Francisco 1972, 426 p., see e.g. F.A. Stafleu, Taxon 22: 472-473. 1973.

**16.616.** *A key to the species of Eucalyptus* grown in California ... San Francisco (published by the Academy) 1928. Oct.
*Publ.*: 23 Jun 1928, cover-t.p., p. [67]-87. *Copies*: B, U. – Issued and to be cited as Proc. Calif. Acad. Sci., ser. 4. 17(3): 67-87. 1928.

**Walther, Friedrich Ludwig** (1759-1824), German (Franken) botanist and agriculturist; studied medicine at Erlangen; private teacher until 1789; lecturer (1789) and professor (1790) in the natural sciences faculty of the University of Giessen. (*F. Walther*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 103-106 (R. Hess); BM 5: 2261; Herder p. 157, 190; Jackson p. 304; Moebius p. 396, 397; PR 9985-9986, ed. 1: 10972-10973; Rehder 5: 901; TL-2/2898; Tucker 1: 730.

BIOFILE: Anon., Arch. teut. Landwirthsch. 27: 289-294. 1824 (biogr., b. 13 Jul 1759, d. 30 Mai 1824, bibl.).

**16.617.** *Die vorzüglichsten in- und ausländischen Holzarten* nach ihrem verschiednen Gebrauche in der Hauswirthschaft, Landwirthschaft, bei Gewerben und in Officinen, mit ihren deutschen, lateinischen, englischen und französischen Namen, und einer vollständigen Nuzungstabelle und Register ... Bayreuth (bei Johann Andreas Lübeks Erben) 1790. Oct. (*Vorzügl. ausländ. Holzart.*).
*Publ.*: 1790 (p. iv: Oct 1789), p. [i]-iv, [1]-220, [1-6]. *Copy*: B-G.

**16.618.** *Theoretisch-praktisches Handbuch der Naturgeschichte der Holzarten* für den Forst- und Landwirth, in welchem ausser einer systematischen Eintheilung, vollständigen Anführung der Haupt- und Trivialnamen und genauen Beschreibung, sowohl der inn- als besonders nutzbaren ausländischen Bäume und Sträuche, vorzüglich auf deren Benutzung und Cultur Rücksicht genommen worden ... Bayreuth (bey Johann Andreas Lübecks Erben) 1793. Oct. (*Theor.-prakt. Handb. Holzart.*).
*Publ.*: 1793 (p. [x]: 2 Oct 1792), p. [i-x], [1]-532, [533, err.]. *Copy*: MO.

**16.619.** Friedrich Ludwig Walthers, ... *Flora von Giessen* und der umliegenden Gegend für Anfänger und junge Freunde der Gewächskunde ... Giessen und Darmstadt (bei Georg Friedrich Heyer) 1802. Oct. (*Fl. Giessen*).
*Publ.*: 1802, p. [i]-viii, [1]-704, [i]-xvii, [xviii-xx, err.], 4 charts. *Copy*: B-S.
*Nomenclator*: see H.K.H. Hoffmann, *Nomencl. Fl. Giessen* 1849, see TL-2/2898.

**Walther, Kurt Herbert** (1910-x), German (Thüringian) botanist; studied biology, mathematics, geology and anthroposociology at the University of Jena; Dr. phil. Jena 1934; later in Hamburg. (*K. Walther*).

HERBARIUM and TYPES: HBG.

BIBLIOGRAPHY and BIOGRAPHY: Biol.-Dokum. 18: 9736-9737; Bossert p. 425; GR p. 151.

BIOFILE: Lowden, R.M., Taxon, Index pers. names vols. 1-30. 774. 1985.
Sayre, G., Bryologist 80: 519. 1977 (herb. bryol. HBG, 2500).

**16.620.** *Untersuchungen über die Variabilität* innerhalb des Formenkreises *von Polytrichum juniperum* Willd. Inaugural-Dissertation zur Erlangung der Doktorwürde einer Hohen Mathematisch-Naturwissenschaftlichen Fakultät an der Thüringischen Landesuniversität Jena ... Haag ['s Gravenhage] (Martinus Nijhoff) 1934. Oct. (*Unters. Variab. Polytrich. junip.*).
*Publ.*: 1934 (journal rd. at Utrecht 19 Sep 1934), p. [i-iii], [121]-156, [1, vita]. *Copy*: B. – Preprinted from Ann. bryol. 7: [121]-156. 1934.

**16.621.** *Zur Lebermoosflora des Frankenwaldes* ... Weimar 1940. Oct.
*Publ.*: 1940, p. 1-11. *Copy*: B. – Reprinted and to be cited from Mitt. Thür. bot. Ver. ser. 2. 46: 1-11. 1940.

**16.622.** *Botanische Erinnerungen aus dem Feldzug* 1940 ... Sonderdruck aus den "Mitteilungen des Thüringischen Botanischen Vereins ..." 1940 [i.e. 1941]. Oct.
*Publ.*: 20 Jan 1941 (t.p. reprint states publ. 20 Jan 1940; the paper, however, deals with botanical reminiscenses of the campaign of 1940, i.e. of the German attack on W. Europe 10 Mai-25 Jun 1940; the journal volume is for 1941), p. 151-154. *Copy*: B. – Reprinted or preprinted from Mitt. Thür. bot. Ver. ser. 2. 47: 151-154. 1941. "Während des Feldzuges im Westen, der mich mit einer vollmotorisierten Fronteinheit innerhalb von 46 Tagen durch Holland, Belgien, ganz Nordfrankreich, Ostfrankreich bis zur Schweizergrenze ... brachte, war es nur in bescheidenem Masse möglich zu botanisieren". [The senior author of TL-2 and the author of this account did not meet: the latter was too much in a hurry].

**Walton, Elijah** (1832-1880), British artist, specialized in landscape and mountain painting. (*E. Walton*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2261; DNB 20: 729 (T.G.B.); Rehder 1: 435; Tucker 1: 730; Zander ed. 10, p. 729, ed. 11, p. 832.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 252: 624-625. 1965.
Boase, F., Modern Engl. biogr. 3: 1183. 1965.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 295: 35. 1980.

**16.623.** *Flowers from the upper Alps*, with glimpses of their homes ... Philadelphia (J.B. Lippincott & Co.) 1871. (*Fl. upper Alps*).
*Author of text*: T.G. Bonney.
*Publ.*: 1871, p. [i]-viii, *12 pl.* with text (col. liths.). *Copies*: HH, NY, PH.

**Walton, John** (1895-1971), British botanist; studied at Cambridge 1915-1921; botanist on the first Oxford expedition to Spitzbergen 1921; demonstrator of botany Cambridge 1922-1923; lecturer in botany at Manchester Univ.; successor to P.O. Bower as Regius professor of botany at Glasgow 1930-1962. (*J. Walton*).

HERBARIUM and TYPES: E, GL, GW, Hunterian Museum Glasgow.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 345; Barnhart 3: 457; BM 8: 139; Bossert p. 425; Desmond p. 639 (b. 14 Mai 1895, d. 13 Aug 1971); Hirsch p. 315; IH 1 (ed. 1): 37, (ed. 2): 54, (ed. 3): 65, (ed. 4): 71; Roon p. 121; TL-2/16.041.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 252: 647-648. 1965; Hedwigia 71: (108). 1931 (call to Glasgow); Who was who (London) 7: 830. 1971-1980; Who's who (London) 1931-1971.
Andrews, H.N., The fossil hunters 135-138. 1980.
Beck, C.B., Plant Sci. Bull. 17(2): 19. 1971.
Braid, K.W., Glasgow Naturalist 19: 71-72. 1973 (obit.).
Pant, D.D., Palaeobotanist 21(1): 127-128. 1974 (obit., portr.).
Verdoorn, F., ed., Chron. bot. 2: 28, 33, 181. 1936, 3: 66, 160, 368, 369. 1937, 5: 406. 1939, 6: 190, 310. 1941, 7: 40. 1943.

**16.624.** *On Rheoxylon*, Bancroft – a Triassic genus of plants exhibiting a liane-type of vascular organisation ... London (printed and published for the Royal Society ...) 1923. Qu. (*Rheoxylon*).
*Publ.*: 25 Jan 1923 (date on cover-t.p.), cover-t.p., p. [79]-108, *pl. 5-6*. *Copies*: BR, NY. – Issued as Phil. Trans. R. Soc., London ser. B 212: 79-109, *pl. 5-6*. 1923.

**16.625.** *Carboniferous Bryophyta* I. ... Annals of Botany, ... 1925. Oct.
*Publ.*: Jul 1925, cover-t.p., p. [563]-572, *pl. 13*. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 39: [563]-572. *pl. 13*. 1925.

**16.626.** *An introduction to the study of fossil plants* ... London (Adam & Charles Black ...) 1940. Oct. (*Introd. study foss. pl.*).
*Ed. 1*: Mai 1940, frontisp., p. [i]-x, [1]-188. *Copies*: GB, HH, LC, LIV, USDA.
*Ed. 2*: 1953, frontisp., p. [i]-x, 1-201. *Copies*: B, BR. – London (Adam and Charles Black, ...).
*Ed. 2* (*reprint*): 1958, as 1953 with "slight revisions". *Copy*: LIV.

**Walton, Lee Barker** (1871-1937), American entomologist and botanist; studied at Cornell University and the University of Bonn; Dr. phil. Cornell 1902; professor of biology, Kenyon College, Gambier, Ohio from 1902. (*L. Walton*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Anon., Amer. men sci. eds. 1-5, 1906-1933; Who was who Amer. 1: 1295. 1968.
Osborn, H., Science 88: 49. 1938 (obit., b. 12 Nov 1871, d. 15 Mai 1937), 2: 120-121. 1946.
Walton, L.B., Shorter scientific papers, Kenyon College 1940 (has appreciation by H. Osborn).

**16.627.** *A review of the described species* of the order *Euglenoidina* Bloch. Class Flagellata (Protozoa) with particular reference to those found in the city water supplies and other localities of Ohio ... Columbus (Published by the Ohio State University) 1915. Oct. (*Rev. Euglen.*).
*Publ.*: Mar 1915 (date on cover), p. [i-ii], 343-459, *pl. 12-26* (in text). *Copy*: US. – Published as Ohio Biol. Surv. 1(4): 343-459. *pl. 12-26*. 1915.

**16.628.** *Eutetramorus globosus*, a new genus and species of algae belonging to the Protococcoidea (family Coelastridae) ... Columbus, Ohio, 1918. Oct.
*Publ.*: Feb 1918, cover-t.p., p. [125]-127. *Copy*: B. – Reprinted and to be cited from Ohio J. Sci. 18(4): [125]-127. 1918.

**Walz, Jacob Jacoblevič** (1840-1904), Russian botanist; studied in Kiev and Berlin (with P.F.A. Ascherson); professor of botany in Odessa. (*J. Walz*).

HERBARIUM and TYPES: MW (200). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: De Toni 1: cxxviii-cxxix; Frank 3 (Anh.): 110; Herder p. 255; LS 28283-28284; Morren ed. 2, p. 30; PR 9989; TR 1546-1557.

BIOFILE: Anon., Acta Horti Univ. Jurjev. 5: 272-273. 1904 (obit. not.); Nuov. Notarisia 15: 127. 1904 (d.); Science ser. 2. 21: 158. 1905 (d.).
Bourdeille de Montrésor, Bull. Soc. Imp. Natural. Moscou ser. 2. 7: 483-484. 1894 (bibl.).
Lindemann, E. von, Bull. Soc. Imp. Natural. Moscou 61(1): 82-83. 1886 (coll. MW; err. d. 1880).

EPONYMY: The eponymy of *Walzia* Sorokin (1875) could not be determined.

**16.629.** *Beitrag zur Morphologie und Systematik der Gattung Vaucheria* DC. ... Jahrb. wiss. Bot. 1867. Oct.
*Publ.*: Mar-Apr 1867, p. [127]-160, *pl. 12-14*. *Copy*: LD. – Reprinted and to be cited from Jahrb. wiss. Bot. 5(2): [127]-150. 1867.
*Russian version*: 1865, p. [i-ii], [1]-40, *pl. 1-2*. *Copy*: NY.

**Walz, Lajos** [Ludwig] (1845-1914), Hungarian botanist; studied at the Vienna Polytechnic 1864; gardener at the Graz Johanneum 1865-1868, idem in Körmend 1868-1870; assistant gardener at the botanical garden of Budapest University 1870-1873, at the botanical garden of Klausenburg (Kolozsvár, Cluj) 1873-1914, from 1901 as inspector. (*L. Walz*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 457; Morren ed. 10, p. 40; Rehder 4: 71; Tucker 1: 730.

BIOFILE: Anon., Bot. Centralbl. 86: 47. 1901 (garden inspector Klausenburg); Österr. bot. Z. 51: 182. 1901 (app. inspector garden Klausenburg), 64: 496. 1914 (d.).
Györffy, I., Bot. Múz. Füzetek 1: 1-9. 1916 (obit., portr.).
Kenyeres, A., Magyar életrajzi lexikon L-Z: 1024-1025. 1969 (b. 29 Jul 1849, d. 27 Nov 1914).
Simonkai, L., Enum. fl. transsilv. xxxiv. 1886.

**16.630.** *Zur Flora des Leithagebirges* ... Z.B. Ges. B. XL. Abh. [Verh. zool.-bot. Ges. Wien 1890]. Oct.
*Publ.*: late Dec 1890, p. 549-570. *Copy*: HH. – Reprinted and to be cited from Verh. zool.-bot. Ges. 40 (Abh.): 549-570. 1890.

**16.631.** Kolozsvár, Kolosvárinum (Claudiopolis) Hungariae ... *Delectus seminum* in horto botanico Universitatis litterarum Francisco-Josephinae, anno 1904 permutandi causa collectorum et hortis botanicis omnibus oblatorum, addita revisione Knautiarum. Kolosvárini (Typis Alberti Kovács de Nagyajta) 1904. Oct. (*Del. semin.*).
*Co-author*: Vincent von Borbás (1844-1905), see TL-2/1: 278-279.
*Publ.*: Dec 1904 (p. 104: Kal. Dec 1904), p. [1]-110. *Copy*: G. – The *Revisio Knautiarum* is by V. Borbás.

**Wangenheim, Friedrich Adam Julius von** (1749-1800), German (Sachsen-Gotha) soldier and forester; joined the army corps of the Duke of Hessen-Kassel in 1776; with this corps in the United States 1777-1783 as first lieutenant, from 1779 as staff captain; with the Hessian forest service 1784-1787; forester in Prussian Lithuania 1787, from 1788 as Prussian "Oberforstmeister" (forester-in-charge) of the Lithuanian directorate general at Gumbinnen of the Lithuanian "Kriegs-und Domänenkammer" (Prussian military territorial administration); also in charge of the re-afforestation of the Polish provinces of Bialystock and Plock 1799-1800. (*Wangenh.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 148-149 (R. Hess); Backer p. 663; Barnhart 3: 457 (b. 8 Feb 1749, d. 25 Mar 1800); BM 5: 2262; Bossert p. 425; Dryander 3: 209, 270, 277, 320, 325, 5: 480 (index); Frank 3 (Anh.): 111; GF p. 80; Herder p. 382; Hortus 3: 1206; ME 3: 352, 355; Moebius p. 395; NI 2105; PR 9990-9991, ed. 1: 10977-10978; Ratzeburg p. 157-158; Rehder 5: 901; Tucker 1: 730; Zander ed. 11, p. 832.

BIOFILE: Anon., Applet. Cyc. Amer. biogr. 6: 346. 1889.
Darlington, W., Reliq. Baldw. 163. 1843; Memorials 467. 1849.
Hess, R., Lebensbild. hervorrag. Forstmänn. 394-396. 1885 (biogr., sources).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 774. 1985.
Meusel, J.G., Lex. teut. Schriftst. 14: 408-409. 1815 (bibl.).

EPONYMY: *Wangenheimia* Moench (1794); *Wangenheimia* F.G. Dietrich (1810).

**16.632.** *Beschreibung einiger Nordamericanischen Holz- und Buscharten*, mit Anwendung auf teutsche Forsten; zum Gebrauch für Holzgerechte Jäger und Anpflanzer fremder Holzarten von Friedrich Adam Julius von Wangenheim ... aus den in dortigen Provinzen seit den Jahren 1777. bis 1780. gemachten Bemerkungen. Göttingen (bey Johann Christian Dieterich) 1781. Oct. (*Beschr. Nordamer. Holz- Buschart.*).
*Publ.*: 1781 (p. [6]: Mai 1780; NZgS 27 Dec 1781), p. [i], [1]-151, [152-160 indexes]. *Copies*: HH, NY, PH, USDA. – Preface signed "Harlem auf der Insel New York ..."

**16.633.** *Beytrag zur teutschen holzgerechten Forstwissenschaft*, die Anpflanzung Nordamericanischer Holzarten, mit Anwendung auf teutsche Forste, betreffend ... Göttingen (bey Johann Christian Dieterich) 1787. Fol. (*Beytr. teut. Forstwiss.*).
*Publ.*: Apr 1787 (Wangenheim, Schr. Ges. naturf. Fr. Berlin 8(3): 129-130. 1788 stated that the book was available at the Leipzig Easter Fair 1787; ALZ rev. 20 Oct 1787 [inf. J.W. Landon], p. [i]-xlv, [xlvi], [1]-124, index [1-8], *pl. 1-31* (uncol. copp. author). *Copies*: BR, G, HH, M, MICH, MO, NY.
*Additions*: *Beschreibung der Poleyblättigen Kalmia* und der gelben Rosskastanie ... Schr. Ges. naturf. Fr. Berlin 8(3): 129-133. 1788.

**Wangerin, Walther [Leonhard]** (1884-1938), German (Prussian-Saxony) botanist; studied mathematics and natural sciences at Halle University; Dr. phil. ib. 1906; assistant to A. Engler in Berlin-Dahlem 1906; high school teacher at Burg in Magdeburg 1909, id. in Königsberg 1911; lecturer in botany at the Technical College of Danzig

1913, later extraordinary professor of botany ib. and, from 1920 divisional director of the Danzig Museum of Natural History and Prehistory. (*Wanger.*).

HERBARIUM and TYPES: Unknown (probably destroyed at Danzig); the types of the work for the Pflanzenreich were at B. – Ferns at B (extant). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 663; Barnhart 3: 457 (b. 15 Apr 1884, d. 19 Apr 1938); BFM 150, 191, 192, 1636; Biol.-Dokum. 18: 9741-9742; BJI 2: 186; BL 2: 563, 730; BM 5: 2262; Bossert p. 425; Hirsch p. 315; Hortus 3: 1206; KR p. 750; LS suppl. 29292-29293; MW p. 521; TL-2/1713, 11.174, see E.O.O. Kirchner, C. Schröter; Tucker 1: 730; Zander ed. 10, p. 730, ed. 11, p. 832.

BIOFILE: Anon., Bot. Centralbl. 125: 320. 1914 (app. Danzig); Hedwigia 55: (72). 1914 (app. Danzig), 78: (74). 1938 (d.); Mycol. Centralbl. 4(2): 110. 1914 (lecturer Danzig); Österr. bot. Z. 87: 324. 1938 (d.).
Fedde, F., Ber. deut. bot. Ges. 56: (214)-(227). 1938 (obit., portr., bibl.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 774. 1985.
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Szymkiewicz, D., Bibl. fl. Polsk. 140. 1925.
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(2) *In* A. Engler, *Das Pflanzenreich*: *Garryaceae*, *Nyssaceae*, *Alangiaceae*, *Cornaceae* in Heft 41 (56a, 220a, b, 229). 12 Apr 1910, see TL-2/1713. – Autoreferat: Bot. Centralbl. 114: 395-396. 11 Oct 1910.
(3) Edited and revised Wünsche-Schorler, *Die verbreitesten Pflanzen Deutschlands*, ed. 9, Leipzig 1927 and ed. 10, Leipzig und Berlin 1938.

EPONYMY: *Wangerinia* Franz (1908) probably honors this author but no etymology was given.

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*Publ.*: Apr 1906 (as preprint dissertation; Bot. Centralbl. 8 Mai 1906; Nat. Nov. Jul(2) 1906), p. [1]-92, [1, vita; 2 colo.]. *Copies*: B, FAS, G(2), HH, M, NY. – Reprinted or preprinted from Bot. Jahrb. 38(2) (Beibl. 86): 1-88. 14 Aug 1906.

**16.635.** *Die Wertigkeit der Merkmale im Hallierschen System*. Neue Schlaglichter auf das Wahrhaft natürliche System ... [Sonderabdruck aus Engler's Botanischen Jahrbüchern ... 1909, Leipzig]. Oct.
*Publ.*: 26 Mar 1909, p. [i, recto of 120], [120]-141. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 43(3): [120]-141. 1909.

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**16.637.** *Die montanen Elemente in der Flora des nordostdeutschen Flachlandes* ... Danzig (Druck von A.W. Kafemann ...) 1919. Oct.
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**16.638.** *Beiträge zur Frage der pflanzengeographischen Relikte*, unter besonderer Berücksichtigung des norddeutschen Flachlandes ... Danzig 1923 [1924]. Oct.
*Publ.*: 1924 (journal issue for 1923 publ. 1924, fide Fedde (1938); Nat. Nov. Oct 1924), p. [1]-60. *Copies*: H, U. – Reprinted from Abh. Naturf. Ges. Danzig 1: 61-120. 1923 [publ. 1924]. Also as Mitt. Mus. Naturk. Vorgesch. Danzig no. 1.
*Ref.*: Mattfeld, J., Bot. Jahrb. 59 (Lit.): 107-108. 15 Dec 1924 (rev.).

**16.639.** *Die pflanzengeographischen Verhältnisse der Umgegend von Danzig* ... Danzig 1930-31 [1931].
*Publ.*: 1931 (Nat. Nov. Sep 1931), cover-t.p., p. [37]-122. *Copies*: B, H. – Reprinted and to be cited from Schr. naturf. Ges. Danzig ser. 2. 19(3): [37]-122. 1931.

**Wann, Frank Burkett** (1892-1954), American botanist; A.B. Wabash Col. 1914; Dr. phil. Cornell 1920; teaching fellow Shaw School Bot. 1914-1915; instructor in botany Cornell 1915-1923, nat. research fellow in biology 1923-1926; associate professor of botany, Utah State Agr. Coll., Logan, Utah 1926-1946; professor of botany and (from 1952) head of the Department of botany and plant pathology 1946-1954. (*Wann*).

HERBARIUM and TYPES: UTC. – *Exsiccatae*: with Walter Conrad Muenscher (1891-1963) *North American myxomycetes*, Fasc. 1 (nos. 1-50), ed. 1, 1923, Ithaca N.Y.; ed. 2, Mar 1929, ib.; fasc. 2 (nos. 51-100?) 1926, Ithaca. Sets at BPI, CM, CU, CUP, FH, IA, MICH, NY, NYS, TRTC, WISC. – For full details see J. Stevenson (1971).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 457 (d. 16 Apr 1892); Hirsch p. 315; Kelly p. 237; TL-2/see W.L.C. Muenscher.

**Wanner, Stefan** (*fl.* 1885), Swiss botanist and high school teacher at Zürich. (*Wanner*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 457; DTS 1: 319; Rehder 1: 432; Tucker 1: 730.

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*Ed.* [*1*]: Aug 1884 (p. xiii: Mar 1884; Bibl. hist. nat. Hanstein Jul-Dec 1884; Bot. Zeit. 26 Sep 1884; Nat. Nov. Aug(1-2) 1884), p. [i]-xiii, [xiv], [1]-103. *Copies*: NY(2). – We have seen only copies with an 1885 imprint.
*Ed. 2*: 1895 (p. x: Jun 1895), p. [i]-x, [xi], [1]-103. *Copy*: HH.

**Warburg, Edmund Frederic** (1908-1966), British botanist; MA Cambridge 1934; assistant lecturer Bedford College, London 1938-1941; curator Druce herbarium Oxford 1948-1966. (*E. Warb.*).

HERBARIUM and TYPES: OXF; other material at BCW, BM (Euphrasia, Sorbus, incl. types), CGE, DBN, EGBH, K, NMW.

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Townsend, C.C., Kew Bull. 17: 471-472. 1964 (rev. new "C., T. & W."), 23: 521-522. 1969 (review ed. 2, Clapham et al., Exc. Fl. Brit. Isl.).
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(2) Editor, *Census Catalogue of British mosses*, 1963.
(3) Editor, *Watsonia* 1949-1960.

NOTE: (1) E.F. Warburg's father, Oscar Emmanuel Warburg (1876-1937) was an amateur floristic botanist, interested in Quercus, Cistus and Sorbus. He published with his son e.g. *Preliminary study of genus Cistus*, J.R. Hort. Soc. 1930: 1-52. See Desmond p. 639.
(2) Warburg's nickname "Heff" [also "Hep"] was derived from the Winnie the Pooh character Heffalump, outstanding because of his appetite; the nickname was acquired at one of the Sunday tea parties given by Gilbert Carter at the Cambridge botanical garden.

EPONYMY: *Warburg Nature Reserve*, Henley-on-Thames (see V.N. Paul 1980).

HANDWRITING: Fl. males. ser. 1. 1: clii. 1950.

**16.641.** *Taxonomy and relationship in the Geraniales* in the light of their cytology ... Cambridge (at the University Press) 1938. Oct.
[*1*]: 29 Apr 1938, cover-t.p., p. [i, recto of 130], [130]-159. *Copies*: B, NY. – Reprinted and to be cited from New Phytologist 37(2): [130]-159. 1938.
[*2*]: 28 Jun 1938, ib. 37(3): 189-210. 1938.

**Warburg, Otto** (1859-1938), German (Hamburg) botanist; studied at Bonn, Berlin and Hamburg; Dr. phil. Strassburg (with A. de Bary) 1883; worked at Univ. München 1883-1884 and Tübingen 1884-1885; travelled in S.E. Asia, Oceania and Australia 1885-1889; lecturer ("Privatdocent") Berlin Univ. 1891; lecturer at the Oriental seminary ib. 1894, from 1898 as professor; director of the Agricultural Research Station of the Zionist Organisation in Palestine 1921; from 1925 professor of botany and director of the Institute of Natural History of Palestine, Hebrew Univ., Jerusalem, maintaining a residence in Berlin; member of the Zionist Executive from 1905, president World Zionist Organisation 1911-1920. (*Warb.*).

HERBARIUM and TYPES: B (other material at A, C, E, FH, GH, H, K, MANCH, P, TUR-V (lich.). – *Letters* at G.

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(2) *Die botanische Erforschung der Molukken* seit Rumph's Zeiten, in *Rumphius Gedenkboek* 63-78, Haarlem 1902.
(3) EP, *Nat. Pflanzenfam.* (TL-2/1710) (a) *Flacourtiaceae*, 3(6a): 1-56. 28 Dec 1893.
(b) *Datiscaceae*, 3(6a): 150-155. 18 Apr 1894.
(c) *Begoniaceae*, 3(6a): 121-150. 18 Apr 1894.
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(4) *Siphonogamen*, *in* F. Reinecke, *Die Flora der Samoa-Inseln*, 1896-1898, TL-2/8915.
(5) *Das Pflanzenkleid und die Nutzpflanzen Neu-Guineas*, *in* M. Krieger, *Neu-Guinea* 36-72, *pl. 2-13*. Berlin 1899 (also reprinted, p. [i, recto of 36], [36]-72, *pl. 2-13*. *Copy*: B.
(6) *Pandanaceae*, *in* A. Engler, *Pflanzenreich* (TL-2/1713) 4(9)(Heft 3): 1-97, *4 pl.* 21 Dec 1900 (facs. ed. Lehre 1958).
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(8) *Myristicaceae*, *Pandanaceae*, *Begoniaceae*, *Ulmaceae*, *Moraceae*, *Urticaceae*, *Balanophoraceae*, *Aristolochiaceae*, *Magnoliaceae*, *Thymelaeaceae*, *Ericaceae*, *Ficus*, *in* J.R. Perkins, *Fragm. fl. Philipp.* 1904-1905. TL-2/7684.
(9) *Vegetationsbilder*, *in* G. Melnecke, *Reisebriefe und Zuckeruntersuchungen am Pangani*, Berlin 1895.
(10) Collaborator, E. Schmidt, *Flora of Koh Chang*, treatments in parts 6 and 10 of 20 families, see TL-2/10.891.
(11) Collaborator, H. Schinz, ed., *Beiträge zur Kenntniss der Afrikanischen Flora*, see TL-2/10.710.
(12) Collaborator, C.F. Sarasin & J. Roux, eds., *Nova Caledonia*, Bot. 1(3), 1922, see TL-2/10.288.

EPONYMY: *Warburgia* Engler (1895, *nom. cons.*); *Warburgiella* C. Mueller-Hal. ex V.F. Brotherus (1900); *Warburgina* A. Eig (1927); *Warburg Grove* (Pinus halepensis), Hebrew University, Jerusalem; *Warburg Garden of acclimatisation* Rehovot (see further Chron. bot. 4(3): 270. 1938).

**16.642.** *Über Bau und Entwicklung des Holzes von Caulotretus hetrophyllus.* Inaugural-Dissertation der mathematischen und naturwissenschaftlichen Facultät der Kaiser-Wilhelms-Universität, Strassburg zur Erlangung der Doctorwürde vorgelegt ... [s.l.] 1883. Oct. (*Bau Entw. Holz. Caulotretus*).
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**16.643.** *Ein Besuch der Kina-Districte* und Waldzone Preangers in Java. Hamburg (Druck der Actien-Gesellschaft "Neue Börsen-Halle") 1887. Oct. (*Besuch Kina-Distr.*).
*Publ.*: 1887, p. [1]-22. *Copy*: HH.

**16.644.** *Beiträge zur Kenntniss der papuanischen Flora* ... [Separat-Abdruck aus Engler's botanischen Jahrbüchern [1890-1891]. Oct.
*Publ.*: 28 Oct 1890 (p. 230-272) and 20 Mar 1891 (p. 273-455) (in journal), p. [i, recto of 230], [230]-455. *Copies*: B, BR, G, HH, NY. – Reprinted and to be cited from Bot. Jahrb. 13(2): 230-272. 28 Oct 1890, 13(3-4): 273-455. 20 Mar 1891.

**16.645.** *Die Linkiu-Inseln* ... Separat-Abdruck aus den Mittheilungen der Geographischen Gesellschaft in Hamburg. 1890. Oct.
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**16.649.** *Ueber Ameisenpflanzen* (Myrmekophyten) ... Sonderabdruck aus dem Biologischen Centralblatt .. 1892. Oct.
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**16.650.** *Die Vegetationsverhältnisse von Neu-Guinea.* Vortrag gehalten in der Gesellschaft für Erdkunde zu Berlin ... Berlin (Druck von W. Pormetter) 1892. Oct.
*Publ.*: 1892 (read 6 Feb 1892; Bot. Zeit. 2 Sep 1892), p. [1]-20. *Copies*: B, BR, G, H, HH, M. – Reprinted and to be cited from Verh. Ges. Erdk. Berlin 19(2-3): 130-147. 1892.

**16.651.** *Bergpflanzen aus Kaiser Wilhelms-Land*, gesammelt auf der Zöller'schen Expedition im Finisterregebirge von F. Hellwig, bearbeitet von ... Leipzig (Wilhelm Engelmann) 1892. Oct.
*Collector*: Frans Carl Hellwig (1861-1899), material at B (mainly destr.), BO, L, LE.
*Publ.*: 10 Jun 1892, cover-t.p., p. [1]-32, *pl. 1. Copies*: B, G, H, M. – Reprinted and to be cited from Bot. Jahrb. 16(1): [1]-32, *pl. 1.* 1892.

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*Publ.*: Jul-Aug 1892 (read 2 Jun 1892; Bot. Zeit. 2 Sep 1892), cover-t.p., p. [1]-19. *Copies*: B, BR, G, HH, M. – Reprinted and to be cited from Ber. Pharm. Ges. 1892: [211]-229, *1 pl.* 1892.

**16.653.** *Plantae Hellwigianae.* Flora von Kaiser Wilhelms-Land ... Leipzig (Wilhelm Engelmann) 1894. Oct.
*Collector*: Frans Carl Hellwig, see above *Bergpflanzen* ... 1892.
*Publ.*: 13 Apr 1894 (in journal), cover-t.p., p. [i, recto of 184], [184]-212. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 18(3): [184]-212. 1894.

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*Publ.*: Apr 1897 (Bot. Zeit. 1 Jun 1897; ABZ 15 Sep 1897; Nat. Nov. Mar(2) 1897 in press, Mai(1) 1897 publ.), frontisp., p. [i]-xii, [1]-628, *pl. 1-4* (uncol. liths. P. Behrend), map, 2 scenes. *Copies*: B, BR, G, HH, H-UB, NY.
*Ref.*: Diels, L., Bot. Jahrb. 24 (Lit.): 95-96. 1897 (rev.).

**16.660.** *Monographie der Myristicaceen* ... Halle (Buchdruckerei der Dr. Güntz'schen Stiftung ...) 1897. Qu. (*Monogr. Myristic.*).
*Publ.*: Dec 1897 (Bot. Zeit. 1 Feb 1898; ABZ 15 Sep 1898; Nat. Nov. Jan(1) 1898), p. [1]-680, *pl. 1-25* (uncol. liths. J. Pohl and P. Behrend). *Copies*: B, BR, G, HH, M, MO, NY, U, USDA. – Issued as Nova Acta Leop. 68, 1897.
*Ref.*: Buchenau, F., Flora 85: 151-152. 23 Apr 1898 (rev.).

**16.661.** *Die Kaoutschukpflanzen und ihre Kultur* ... Berlin (Kolonial-Wirtschaftliches Komitee, ...) 1900. Oct. (*Kaoutschukpflanzen*).
*Publ.*: Feb 1900 (Bot. Zeit. 1 Apr 1900; Nat. Nov. Feb(2) 1900), p. [i-v], [1]-154. *Copies*: HH, LC, M, USDA.
*French transl.*: 1902 (Nat. Nov. Apr(2) 1902), *Les plantes à Caoutchouc* et leur culture, ... traduction ... par J. Vilbouchevitch, Paris (Augustin Challamel, ...) 1902. Oct., p. [i]-xvi, [1]-307. *Copies*: G, HH.

**16.662.** *Monsunia*. Beiträge zur Kenntniss der Vegetation des Süd- und Ostasiatischen Monsungebietes ... Band i ... Leipzig (Verlag von Wilhelm Engelmann) 1900. Qu. †. (*Monsunia*).
*Authorship*: O. Warburg with contributions by P. Hennings (fungi), V. Schiffner (hepat.), V.F. Brotherus (musci), H. Christ (Filic.).
*Publ.*: Jan 1899-Feb 1900 (in parts; ÖbZ Feb-Mar 1900; Bot. Centralbl. 21 Mar 1900; Nat. Nov. Mar(2) 1900; Flora 12 Apr 1900; Nat. Nov. Feb(2) 1900; p. 1-38 reviewed by Hedwigia Mar-Apr 1899, p. 137-174 rd. Nov-Dec 1899), p. [i]-vii, [viii], [1]-207, [209], *pl. 1-11* (uncol. liths. P. Behrend, photos). *Copies*: B, BR, FH, HH, MO, U, USDA.
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*Authorship*: see p. vii; Warburg editor and author of *Dicotyledonae* p.p. (p. 219-427), *Pflanzengeographische Ergebnisse* (p. 449-485) and *Die Nutzpflanzen Süd-Angolas* (p. 485-516).
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*Co-author*: Émile Auguste Joseph De Wildeman (1866-1947), see TL-2/1: 639-643.
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*2*: 1916 (ÖbZ 1 Jan 1918), p. [i]-xii, [1]-544, *pl. 1-34* (12 col.; most of the uncol. pl. two-sided).
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**Ward, Francis** [Frank] **Kingdon** (1885-1958), British plant collector, traveller and author; studied at Christ's College, Cambridge; teacher at the Shanghai Public School 1906; travelled in W. China 1909-1910; professional plant collector from 1911-1956, active in China 1911, 1913, 1921-1923; North Burma 1914, 1919, 1926, 1930-1931, 1937, 1938-1939, 1942, 1953; South East Tibet 1924, 1933, 1935; Assam 1927-1928, 1935, 1938, 1946, 1948, 1949; French Indo-China 1929; Thailand 1941; East Manipur 1948; Assam-Tibet 1950; Mount Victoria, West Burma 1956; Veitch memorial medal 1934; O.B.E. 1952; son of Harry Marshall Ward. (*F.K. Ward*).

HERBARIUM and TYPES: BM; material in A, CGE, DPU, E, F, GB, K, MO, NY. – *Field notes* e.g. at NY.

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**Ward, Harry Marshall** (1854-1906), British botanist; B.A. Christ's College Cambridge 1879; cryptogamic botanist to the Ceylon Government (coffee leaf disease) 1880-1882; assistant lecturer Owens College, Manchester 1883-1885; professor of botany, Royal Indian Engineering College, Coopers Hill 1885-1895; professor of botany, Univ. Cambridge 1895-1906. (*H.M. Ward*).

HERBARIUM and TYPES: CGE, E, K, NMW. – *Letters* at FH, K.

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*Note*: several sources mention a 1904 reissue (n.v.).
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**Ward, Lester Frank** (1841-1913), American botanist, philosopher and sociologist; in the Union army 1862-1864; with the U.S. Treasury Department, Washington, D.C. 1865-1881; A.B. Columbian College [later George Washington Univ.] 1869, A.M. ib. 1872; turned to botany in 1872; assistant geologist with the United States Geological Survey 1881, geologist ib. 1883, palaeontologist ib. 1892; from ca. 1881 also active as a sociologist, pioneer of evolutionary sociology in the United States. (*Ward*).

HERBARIUM and TYPES: US. – Other material in A, AK, BH, BUF, CGE, CM, F, GH, ILL, K, MO, NA, NY, PH. – *Manuscript* material, books and letters at Brown University, Library of Congress, Smithsonian Institution and U.S. Geological Survey; *further letters* e.g. at FH, G, GH, NY. – Personal diary destroyed except for 1860-1870 period (see Ward 1935).

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*Authorship*: L.F. Ward main author; collaborators: Walter P. Jenney, Wm. M. Fontaine, and F.H. Knowlton.
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*1*: 1900 (NY rd. Nov 1900), cover-t.p., p. 211-953, *pl. 21-179*. *Copies*: HH, MO. – Reprinted from Ann. Rep. U.S. Geol. Surv. 20(2): 211-953. *pl. 21-179*. 1900. – *The older Mesozoic*, collab. Wm. M. Fontaine, Atreus Wanner, F.H. Knowlton.
*2*: Jul 1905.
*Part 1*. – Text p. 1-616. *Part 2*. – Plates *pl. 1-119*. *Copies*: HH, MO; IDC 2548. – Issued as U.S. Geol. Surv. Monogr. 48.
*Ref.*: Penhallow, D.P., Bot. Centralbl. 102: 189-190. 1906 (rev.).

**16.701.** *Elaboration of the fossil Cycads* in the Yale Museum. – From the American Journal of Science, ... 1900. Oct.
*Publ.*: Nov 1900, cover-t.p., p. [327]-345, *pl. 2-4*. *Copies*: HH, NY. – Reprinted and to to be cited from Amer. J. Sci. ser. 4. 10: 327-345, *pl. 2-4*. 1900.

**16.702.** *Report on the petrified forests of Arizona* ... Washington (Government Printing Office) 1900. Oct. (*Rep. petrif. for. Arizona*).
*Publ.*: 1900 (p. 3: 14 Dec 1899), p. [1]-23. *Copies*: G, HH.

**Ward, Nathaniel Bagshaw** (1791-1868), British physician and botanist; inventor (1829) of the Wardian case; examiner in botany to the Society of Apothecaries 1836-1854; master (1854) and later treasurer of this Society; co-founder of the Microscopical Society; practicing in London; in retirement at St. Leonard's, Sussex. (*N.B. Ward*).

HERBARIUM and TYPES: BM (p.p.; purchased from estate 1869), OXF (p.p.); further material in DBN, E, FRS, GL, K, NMW, WAR. – *Letters* at G, GH, K, NY.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 621; Barnhart 3: 458 (d. 4 Jun 1868); BB p. 116; BM 5: 2264; Bossert p. 426; Clokie p. 261; CSP 6: 265, 8: 196; Desmond p. 640; DNB 20: 785-786 (G.S. Boulger); Herder p. 367; Hortus 3: 1206; Jackson p. 81, 255; Lenley p. 427, 472; PR 9992, ed. 1: 10979; Rehder 5: 902; Tucker 1: 14.

BIOFILE: Allen, D.E., Victorian fern craze 7, 8, 10-16, 22-23, 24, 40. 1969; The naturalist in Britain 79, 93, 133-134, 135, 137. 1976.
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EPONYMY: *Wardia* W.H. Harvey et W.J. Hooker ex W.J. Hooker (1837).

**16.703.** *On the growth of plants in closely glazed cases* ... London (John Van Voorst, ...) 1842. Oct. (*Growth pl. glaz. cases*).
*Ed.* [*1*]: 1842 (p. vi: Mar 1842), p. [i]-vi, [1]-95. *Copies*: G, HH, NY, PH.
*Ed. 2*: 1852 (p. x: Sep 1852), p. [i]-x, [xi, cont.; xiii, err.], [1]-143. *Copies*: HH, NY.
*Preliminary publ.*: *Improved method of transplanting plants*, Comp. Bot. Mag. 1: 317-320. 1836, reprinted as *On the growth of plants without open exposure to air.* London 1836.

**Warder, John Aston** (1812-1883), American forester, horticulturist and physician; grad. Jefferson Medical College, Philadelphia 1836; practicing physician in Cincinnati 1837-1855; from then onward living on a farm near North Bend, Ohio; longtime president of the Ohio Horticultural Society; member of the Ohio State Board of Agriculture 1871-1876. (*Warder*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 459 (b. 19 Jan 1812, d. 14 Jul 1883); Bossert p. 426; DAB 19: 444-445; Hortus 3: 1206; ME 1: 238, 3: 673, 742; Rehder 5: 902; Tucker 731-732.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 253. 26-27. 1965; Natl. Cycl. Amer. biogr. 4: 536. 1897; Who was who Amer., Hist. vol. 634. 1967.
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Warder, R.H., *in* L.H. Bailey, Standard cycl. hort. 3: 1602. 1915.
Wilson, J.G. & J. Fiske, Appleton's Cycl. Amer. biogr. 6: 356-357. 1889.

COMPOSITE WORKS: Editor, *Western horticultural Review* 1850-1853.

**16.704.** *The Western Catalpa*, a memoir of the Shavanon, or the Catalpa speciosa (Engelmann) ... From the Journal of the American Agricultural Association .... 1881.
*Publ.*: 1881, p. [77]-102. *Copies*: HH, NY, US. – Reprinted and to be cited from J. Amer. agric. Ass. 1(1): [79]-102. 1881.

**16.705.** *Woody plants of Ohio*, arranged under their appropriate botanical orders, with remarks upon their uses, qualities and sources, ... Presented at the meeting of the Agricultural Convention of Ohio, in Columbus, January 1882. Oct.
*Co-authors*: Davis Lawler James (b. 1848) and Joseph Francis James (1857-1897).
*Publ.*: 1882 (read Jan 1882; TBC Dec 1882), cover, p. [1]-40, loose err. sheet. *Copies*: HH, PH, US, USDA. – Reprinted from Ohio agric. Report 1881: [1]-40, [1]. 1882.

**Warén, Harry Ilmari,** after 1935: Harry Ilmari Waris (1893-1973), Finnish botanist; with the Finnish Association for the cultivation of peatlands 1919-1925; professor of botany at Turku University 1925-1953 and at Helsinki University 1953-1960. (*Warén*).

HERBARIUM and TYPES: H, TUR.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 459; BJI 2: 186; Collander p. 554-556 (further biogr. refs.); 555-557; GR p.624, *pl.* [*41*]; Hirsch p. 315; LS suppl. 29322-29323.

BIOFILE: Kallio, P., Acad. Sci. Fenn., Proc. 1975: 43-48, portr. 1977 (obit.), [in Finnish:] Suomal. Tiedeakat. Esitelm. Pöytäk. 1975: 73-77, portr. 1976 (obit.).
Verdoorn, F., ed., Manual bryol. 325, 331, 354, 356, 357. 1932; Chron. bot. 1: 119. 1935, 5: 138. 1939.

**16.706.** *Reinkulturen von Flechtengonidien* Akademische Abhandlung von Harry Warén. Wird mit Genehmigung der Philosophischen Fakultät der Universität in Helsingfors im Hist.-Phil. Auditorium am 11 Februar 1920, um 10 Uhr vormittags, öffentlich verteidigt. Helsingfors 1920. Oct. (*Reinkult. Flecht.-Gonid.*).
*Publ.*: 1-11 Feb 1920, p. [i-iii], [1]-79, *pl. 1-9* with text. *Copies*: B, H.
*Journal publ.*: Öfv. Finsk. Vet.-Soc. Förh. 61A, no. 14. 1920.
*Ref.*: Pringsheim, E.G., Z. Bot. 13: 641-642. 1921.

**16.707.** *Untersuchungen über Sphagnumreiche Pflanzengesellschaften* der Moore Finlands unter Berücksichtigung der soziologischen Bedeutung der einzelnen Arten ... Helsingforsiae 1926. Oct. (*Unters. Sphagnumreiche Pfl.-Gesellsch.*).
*Publ.*: 1926 (mss. rd. Mai 1926), p. [1]-133, *pl. 1-9*. *Copies*: H; IDC 8553 (313-315). – Issued as Acta Soc. Fauna Fl. fenn. 55(8). 1926.
*Ref.*: Wangerin, W., Bot. Centralbl. ser. 2. 11: 182-183. 1927.

**Warion, [Jean Pierre] Adrien** (1837-1880), French (Lorraine) military physician and botanist; Dr. méd. Service de Santé, Paris (Val de Grâce) (1861), École de Strasbourg 1861; subsequently stationed at Rome (1861), Algeria (1863), Morocco (1866), Vincennes (1869), with the Armée du Nord at Metz (1870), later again in North Africa, from 1877 at Perpignan. (*Warion*).

HERBARIUM and TYPES: Material at B (mainly destr.), E, K, MO, MPU, P, P-CO, US, W. – *Plantae atlanticae selectae*, 200 nos. 1878. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 460 (b. 21 Apr 1837, d. 4 Mar 1880); CSP 6: 268, 8: 1197, 12: 770; Saccardo 1: 173; Tucker 1: 732; Urban-Berl. p. 408.

BIOFILE: Anon., Bot. Centralbl. 1/2: 352. 1880 (d.); Bot. Not. 1881: 39 (d.); Bot. Zeit. 38: 315-316. 1880; Cat. gén. livr. impr. Bibl. natl. 218: 427. 1973.
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Walter, E., Le docteur Warion, botaniste lorrain et algérien (1837-1880). Metz 1935, 10 p. (ex Bull. Soc. Hist. nat. Moselle 1935; Bull. 34).
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COMPOSITE WORKS: Contributed to E.S.C. Cosson, *Répertoire alphabétique des principales localités mentionnées dans le Compendium et le Conspectus florae atlanticae* 1882.

EPONYMY: *Warionia* Bentham et Cosson ex Cosson (1872).

**16.708.** *Herborisations dans les Pyrénées-orientales* en 1878 et 1879 ... Perpignan (Typographie de Charles Latrobe ...) 1880. Oct.
*Publ.*: 1880 (publ. after his death on 4 Mar 1880; Nat. Nov. Jul(2) 1881; Bot. Zeit. 26 Aug 1881), p. [1]-15, *2 pl. Copies*: G, HH. – Reprinted and to be cited from *Bull. Soc. agric. sci. litt. Dép. Pyr.-or.* 24: 244-256. 1880.

**Warming, [Johannes] Eugenius [Bülow]** (1841-1924), Danish botanist (taxonomist, morphologist, ecological plant geographer); studied natural sciences; secretary with P.W. Lund in Lagoa Santa, Brazil 1863-1866; Mag. Bot. 1869; Dr. Phil. Copenhagen 1871; studied in München and Bonn; lecturer in botany at Copenhagen University 1874-1882; professor of botany at Stockholm Högskola 1882; on expeditions to Green-

land, 1884, and Lapmark (Norway) 1885; professor of botany and director of the botanical garden at Copenhagen 1885-1911. (*Warm.*).

HERBARIUM and TYPES: C. – Other material in B (mainly destr.), BM, BR, DPU, E, F, G, GB, GH, GOET, H, K, L, LE, M, MO, MW, NY, O, P, R, RB, S, US, VT, W, Z. – *Letters* e.g. at G, GH, K, NY, Sondershausen (Kreisbibl.; copies letters to Th. Irmisch).

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 629; Barnhart 3: 460 (b. 3 Nov 1841, d. 2 Apr 1924); Biol.-Dokum. 18: 9750-9751; BJI 1: 61-62, 2: 186-187; BL 1: 243, 323, 2: 44, 49, 50; BM 5: 2265-2266, 8: 1395; Bossert p. 426; Christensen see index; Collander p. 556; CSP 8: 1197, 11: 751-752, 12: 770, 19: 473-474; De Toni 1: cxxix, 2: cxx; DNB 14: 181-182; Frank 3 (Anh.): 111; GR p. 685; Herder p. 484 [index]; Hortus 3: 1206; IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 62, 85, 90, 92, 204, 333, 488; Kelly p. 237; Kleppa p. 333 [index]; KR p. 751-752; Lenley p. 427; LS 28351-28356; Moebius p.458 [index]; Morren ed. 10, p. 47, 102; MW p. 524; PR 9993; Rehder 5: 902-903; SK 1: cxviii; Stevenson p. 1262; TL-2/see indexes; Tucker 1: 732, 3: 326-327; Urban-Berl. p. 272, 316, 408.

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BIOFILE: Anon., A homenagem do Jardim botanico do Rio de Janeiro a memoria de Eugenio Warming, Maranhão 1935, 59 p.; Bot. Centralbl. 22: 352. 1885 (app. Copenhagen), 48: 366. 1891 (to W. Indies, Venezuela), 56: 400. 1893 (Akad. München), 77: 384. 1899 (Akad. Berlin), 95: 320. 1904 (Acad. Paris), 102: 624. 1906 (Acad. Lincei), 117: 640. 1911 (retirem.); Bot. Not. 1871: 104 (trip Germany, England), 1872: 62 (gold medal), 1873: 31 (lectures Copenhagen), 1882: 130 (app. Stockholm), 1884: 105 (on Fylla to Greenland), 1885: 143 (app. Copenhagen), 1891: 222 (to West-Indies and Venezuela), 1911: 292 (Festschrift), 1924: 310 (in memoriam); Bot. Zeit. 40: 626. 1882 (app. Stockholm), 43: 430. 1885 (app. Copenhagen); Bull. misc. Inf. Kew 1924: 239-240; Hedwigia 38: (114). 1899 (Akad. Wiss. Berlin), 43: (83). 1904 (Acad. Sci. Paris), 52: (84). 1911 (retirem.), 65: (95). 1925 (d.); J. Bot. 62: 150. 1924 (d.); Krak's blaa bog 1911-1923; Nature 89: 534. 1912; Nat. Nov. 4: 184. 1882 (app. Stockholm), 7: 149. 1885 (app. Copenhagen), 26: 253, 433. 1901 (corr. memb. Acad. Paris), 28: 500. 1906 (Acad. Lincei), 33: 526. 1911 (retirem.); Österr. bot. Z. 35: 258. 1885 (app. Copenhagen), 62: 39. 1912 (retirem.), 73: 160. 1924 (d.).

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Mikkelsen, A., Havnen 30: 143-152, 207-212, 221-228 1933 (biogr., portr.).
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Rosenvinge, L.K. et al., Eugenius Warming, Bot. Tidsskr. 39(1): 1-56. 1927 (commemoration; Rosenvinge: W. and the Dansk Bot. For.; C. Christensen: life; C.H. Ostenfeld: general bot. activities; A. Mentz: plant geogr., and brief tributes by Ch. Flahault, O. Juel, C. Schröter and A.G. Tansley; portr.).
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COMPOSITE WORKS: (1) *Podostemaceae*, *in* EP, Nat. Pfl.-Fam. 3(2A): 1-22. Dec 1890. (TL-2/1710).
(2) *Podostemaceae*, *in* O. Warburg, ed., *Kunene-Sambesi Exped.* [240]-241. 1903. (TL-2/16.665).
(3) Editor, with L.K. Rosenvinge, *The botany of Iceland* 1-2, 1912-1923, see TL-2/9548.
(4) *Podostemaceae*, *in* E.J. Schmidt, *Flora of Koh Chang* 5, 1902, see TL-2/10.891.

FESTSCHRIFT: L.K. Rosenvinge, ed., *Biologiske Arbejder Tilegnede Eug. Warming* Paa Hans 70 Aars Fødselsdag den 3. November 1911. København 1911, viii, 298 p., portr.

EPONYMY: *Warmingia* H.G. Reichenbach (1881, *nom. cons.*). *Note*: *Warmingia* Engler (1874, *nom. rej.*, *Rutaceae*) and *Warmingia* Engler (1874, *nom. rej.*, *Anacardiaceae*) very likely honor Warming but the etymology was not given.

**16.709.** *Symbolae ad floram Brasiliae centralis cognoscendam* quas edidit Eug. Warming, Particulae i-xl, ... Havniae [København] (Typis Bianco Luno 1867-1893 [1894], 4 series, 40 parts. Oct. (*Symbolae*).
*Publ.*: 1867-1894; all "particulae" (except no. 39) were published in Vid. Medd. Nat. For. Kjøbenhavn for 1867-1893. The parts were reprinted with (usually) double pagination: running page numbers for the reprints and original page numbers of the Vid. Medd. issues. The reprints were distributed individually and also in four series (1-10, 11-20, 21-30, 31-40) with special t.p.'s. Particula 39 was an independent publication in book form. The precise dates of publication of the parts were supplied by the staff of the Copenhagen Botanical Museum and Herbarium. *Copies*: B, C, G, HH, M, MO, NY, U, US.
*Preface material 1-10*: t.p. date 1873, p. [i-iv].
*1*: late Jul 1867, p. [1]-45. – Reprinted and to be cited from Vid. Medd. 1867: [1]-45. – E. Warming, *Cordiaceae*, *Asperifoliae*, *Vochysiaceae*, *Mayacaceae*.
*2*: 11 Oct 1869, p. [47]-79. – Id. 1869: 28-58. – A. Progel, *Loganiaceae*, *Gentianaceae*; J.A. Schmid, *Scrophulariaceae*, *Labiatae*.
*3*: 21 Jan 1870, [81]-119. – Id. 1869: 79-116. – J.G. Baker, *Filices*, p. [81]-100 reprint also issued separately; J. Müller Arg., Apocynaceae p. 101-119, reprint also issued separately with pagination [1]-19.
*4*: 1 Jun 1870, Symbolae pagination [1]-32 (instead of 121-152, sic), 153-155. – Id. 1869: 125-159. – O. Böckeler, *Cyperaceae*.
*5*: 1 Jun 1870, p. 157-196, *pl. 2-4*. – Id. 1869(14-15): 195-234, *pl. 2-4*. – C.F.O. Nordstedt. *Desmidiaceae*.
*6*: Aug 1870, p. 197-221. – Id. 1870: 125-149. – C.F. Meisner, *Polygonaceae*, *Lauraceae*, *Proteaceae*.
*7*: 10 Oct 1870, p. 223-258, *pl. 3*. – Id. 1870(12-17): 175-210, *pl. 3*. – A.W. Eichler, *Ranunculaceae*, *Dilleniaceae*, *Magnoliaceae*, *Winteraceae*, *Menispermaceae*, *Fumariaceae*, *Papaveraceae*, *Cruciferae*, *Capparideae*, *Combretaceae*, *Oleaceae*, *Jasmineae*, *Sapotaceae*, *Loranthaceae*.

*8*: 10 Oct 1870, p. 259-288. – Id. 1870(18-20): 267-296. – E. Hampe, *Musci frondosi.*

*9*: 11 Apr 1872, p. [289]-305, *pl. 6.* – Id. 1871(20-22): [309]-325. – F. Körnicke, *Eriocaulaceae*; A. Progel, *Cuscutaceae*; E. Warming, *Thymelaeaceae*, *Pontederiaceae.*

*10*: 26 Apr 1873, p. [307]-330. – Id. 1872(1-5): 36-59. – E. Hampe, *Musci frondosi.*

*Preface material 11-20*: 1875, p. [i-iv].

*11*: 24 Apr 1873, p. [331]-335. – Id. 1872(6-9): 85-89. – C.F. Meisner, *Ericaceae* et supplementa ad *Polygonaceas*, *Lauraceas* et *Proteaceas.*

*12*: 24 Apr 1873, p. 335-340. – Id. 1872: 89-94. – C. de Candolle, *Piperaceae.*

*13*: 24 Apr 1873, p. [341]-363, *pl. 2.* – Id. 1872(6-9): [109]-131, *pl. 2.* – M. Seubert, *Hypoxideae*, *Burmanniaceae*, *Vellosieae*, *Hydrocharideae*, *Alismaceae*, *Juncaceae*, *Liliaceae*, *Amaryllideae*, *Alstroemiae*, *Agaveae*, *Xyrideae*, *Commelynaceae* [sic]; F.W. Klatt, *Irideae*; E. Warming, *Balanophoreae.*

*14*: 10 Apr 1874, p. [365]-399, *pl. 1.* – Id. 1873(1-4): [1]-35, *pl. 1.* – A. Krempelhuber, *Lichenes brasilienses.*

*15*: 10 Apr 1874, p. [401]-417. – Id. 1873(1-4): [48]-64. – H.A. Weddell, *Urticaceae*; E. Bureau, *Moreae*; Léon Marchand, *Burseraceae*, *Anacardiaceae.*

*16*: 10 Apr 1874, p. [419]-438. – Id. 1873(9-12): 142-161. – E. Warming, *Anonaceae.*

*17*: 14 Jun 1875, p. [439]-459, *pl. 1-2.* – Id. 1874(1-2): [1]-21, *pl. 1-2.* – E. Warming, *Lentibulariaceae*, *Primulaceae*, *Myrsinaceae.*

*18*: 14 Jun 1875, p. [461]-477. – Id. 1874(3-7): [59]-75. – E. Warming, *Symplocaceae*, *Styraceae*, *Ebenaceae*, *Rosaceae.*

*19*: 14 Jun 1875, p. [479]-528. – Id. 1874(9-11): [129]-178. – E. Hampe, *Musci frondosi.*

*20*: 3 Mai 1876, p. [529]-590. – Id. 1875: [59]-120. – M. Micheli, *Papilionaceae*, G. Bentham, *Swartzieae et Caesalpinieae.*

*Preface material 21-30*: 1886, p. [i-iv].

*21*: 3 Mai 1876, p. [591]-634. – Id. 1875: 121-164. – A. Grisebach, *Malpighiaceae*, *Dioscoraceae*, *Smilaceae.*

*22*: 26 Mar 1877, p. [635]-641. – Id. 1876: 427-435. – G. Zeller, *Algae brasilienses.*

*23*: 17 Apr 1878, p. [643]-714. – Id. 1877: [37]-108. – W.P. Hiern, *Solanaceae*, *Acanthaceae*, *Gesneraceae*, *Verbenaceae.*

*24*: 4 Feb 1879, p. 715-738. – Id. 1877: 251-274. – E. Hampe, *Musci frondosi.*

*25*: 3 Dec 1879, p. [739]-754. – Id. 1879-1880: [19]-34. – A. Progel, *Oxalidaceae*, Ö. Böckeler, *Cyperaceae*, M.G. Berkeley, *Fungi brasilienses.*

*26*: Oct 1880, p. [755]-784. *pl. 4-5.* – Id. 1879-1880: [357]-386, *pl. 4-5.* – A. Engler, *Araceae*; E. Warming, *Celastraceae*; J.C. Döll, *Gramineae.*

*27*: 10 Mai 1883, p. [785]-807. – Id. 1882: [137]-159. – C.B. Clarke, *Commelynaceae*, add. suppl. (det. M. Seubert); E. Warming, *Annotationes biologicae*: *Palmae* (det. O. Drude), *Cucurbitaceae* (A. Cogniaux); *Connaraceae*, *Ampelideae* (J.G. Baker); *Tropaeolaceae* (P. Rohrbach); *Trigoniaceae* (E. Warming); *Mimosae* (G. Bentham); *Hederaceae* (É. Marchal); *Umbelliferae* (I. Urban); *Violaceae*, *Sauvagesiaceae*, *Bixaceae*, *Droseraceae*, *Crassulaceae* (A.W. Eichler); *Erythroxylaceae* (J. Peyritsch); E. Warming, *Hypericaceae*; R. Caspary, *Nymphaeaceae*; F. Buchenau, *Juncaceae et Alismaceae glaziovianae*, O. Böckeler, *Cyperaceae glaziovianae*; G. Lagerheim, *Algae glaziovianae.*

*28*: 10 Mai 1883, p. [809]-840. id. 1882: [252]-283. – E. Warming: *Annotationes biologicae*: *Lycopodiaceae* (det. A. Fée), *Amarantaceae* (M. Seubert), *Euphorbiaceae* (J. Müller Arg.), *Passifloraceae*, *Aristolochiaceae* (M.T. Masters), *Convolvulaceae* (C.F. Meisner), *Hippocrateaceae* (J. Peyritsch), *Meliaceae* (C. de Candolle), *Hydroleaceae*, *Polygalaceae* (A.W. Bennett).

*29*: 1884 [no precise date known, journal issue for 1883], p. [841]-848, *pl. 4-5.* – Id. 1883: 351-358. – E. Warming, *Orchidaceae* I. (det. H.G. Reichenbach).

*30*: 10 Mai 1886 [1886 date on general t.p. part. 21-30], p. [849]-862, *pl. 8-11.* – Id. 1884: 86-99. – E. Warming, *Orchidaceae* II (det. H.G. Reichenbach).

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*31*: 8 Mai 1890, p. [863-872], *pl. 1-2.* – Id. 1889: [1]-10, *pl. 1-2.* – C.C. Raunkiaer, *Sapotaceae.*

*32*: 8 Mai 1890, p. [873]-895. – Id. 1889: [22]-44. – E. Warming, *Vochysiaceae*; *Trigoniaceae*; *Ternstroemiaceae* (det. H. Wawra); *Rhizoboleae* (L. Wittmack); *Dichapetalaceae* (H. Baillon); *Turneraceae* (I. Urban); *Hederaceae* (É. Marchal); *Melastomaceae* (A. Cogniaux).

*33*: 8 Mai 1890, p. [897]-927. – Id. 1889: [327]-357. – O.G. Petersen, *Scitamineae*; E. Warming, *Annotationes de Caricaceis* (det. H. zu Solms-Laubach); *Rubiaceis*, *Sterculiaceis*, *Tiliaceis*, *Bombaceis* (det. K.M. Schumann).

*34*: 21 Apr 1891, p. [929]-958, *pl. 2-5*. – Id. 1890: [24]-53, *pl. 2-5*. – F. Børgesen, *Desmidieae*.

*35*: 21 Apr 1891, p. [959]-966. – Id. 1890: 158-165. – A. Heimerl, *Nyctaginaceae*; E. Warming, *Annotationes de Chenopodiaceis*, *Caryophyllaceis*, *Portulacaceis*, *Cunoniaceis* (det. A. Engler), *Haloragidaceis* (A. Kanitz).

*36*: 21 Apr 1891, p. [967]-990. – Id. 1890: 182-205. – E. Warming, *Annotationes de Compositis imprimis ad Lagoa Santa collectis*, a clar. J.G. Baker determinatis.

*37*: 21 Apr 1891, p. [991-996]. – Id. 1890: [240]-245. – L. Radlkofer, *Sapindaceae*.

*38*: 3 Mai 1892, p. [997]-1013. – Id. 1891: 36-52. – E. Warming, *Annotationes biologicae*. *Potamogetonaceae* (P. Ascherson), *Bambuseae* (J.C. Döll), *Andropogoneae* (E. Hackel); E. Warming, *Lacistemaceae*, *Artocarpaceae*, *Celtidaceae*, *Begoniaceae*, *Cactaceae* (p.p.), *Chloranthaceae*, *Monimiaceae*, *Rutaceae*, *Simarubaceae*, *Ochnaceae*, *Guttiferae*, *Olacaceae*, *Icacinaceae* (A. Engler), *Loranthaceae Lagoenses* (A.W. Eichler), *Onagraceae* (M. Micheli), *Lobeliaceae Lagoenses* (A. Kanitz), *Lythraceae* (E. Koehne), *Cactaceae Lagoenses* (K. Schumann p.p.), *Asclepiadaceae* (E. Fournier).

*39*: Oct-Nov 1893 (TL-2/3613), p. [1015-1210]. Issued as an independent publication: H. Kiærskou, *Enumeratio Myrtacearum brasiliensium* quas collegerunt viri doctissimi Glaziou, Lund, Mendonça, Raben, Reinhardt, Schenck, Warming aliique ... Hauniae (Apud Jul. Gjellerup) Christiania (Alb. Cammermeyers Forlag) 1893. Oct., p. [1]-199, [200, err.], *pl. 1-24*. – See TL-2/3613.

*40*: 2 Mai 1894, p. 1211-1239. – Vid. Medd. 1893: 96-124. – E. Bureau, *Bignoniaceae*; V.A. Poulsen, *Xyridaceae*; *Malvaceae* (det. K. Schumann et M. Gürke); N. Wille, *Lecythidaceae*.

**16.710.** *Nogle Bemærkninger om Scopolia atropoides* og andre Solaneer ... Særskilt Aftryk af Botanisk Tidsskrift, ... 1869. Oct.

*Publ.*: 1869, p. [39]-66, *pl. 1-2*. *Copies*: B, G. – Reprinted and to be cited from Bot. Tidsskr. 3: [39]-66, *pl. 1-2*. – See Christensen (1926) no. 10 for reviews.

**16.711.** *En Udflugt til Brasiliens Bjerge* ... [Tidsskrift for populære Fremstillinger af Naturvidenskaben, ... 1869]. Oct.

*Publ.*: 1869, p. [1]-34, *1 pl. Copy*: G. – Reprinted and to be cited from Tidsskr. pop. Fremstill. Naturv. ser. 4. 1: [1]-34, *1 pl.* 1869. – Account trip to Serra da Piedade.

*German transl.*: Die Natur 30: 156-159, 170-172, 194-196, 208-209. 1881, transl. H. Zeise, *Ein Ausflug nach Brasiliens Bergen*.

*French transl.*: Feb and Mar-Apr 1883 (in journal; Bot. Zeit. 30 Nov 1883; Nat. Nov. Oct(2) 1883), p. [i], []-29, *1 pl. Copies*: BR, FAS, G. – Reprinted and to be cited from Belgique hort. 33: 50-64. Feb, 65-78. Mar-Apr 1883.

**16.712.** *Er Koppen hos Vortemælken* (Euphorbia L.) *en Blomst eller en Blomsterstand?* En organogenetisk-morfologisk Undersögelse, udgiven som Afhandling for den filosofiske Doktorgrad ved Köbenhavns Universitet ... Köbenhavn (Hos G.E.C. Gad) 1871. Oct. (*Koppen Vortemælken*).

*Publ.*: 1871 (p. [ii]: 16 Dec 1870), p. [i-iii], [1]-111, [1]-18 French résumé, *pl. 1-3* (uncol. copp. auth.). *Copies*: B-S, C, GH, H, HH, M. – Preprinted or reprinted from Vid. Medd. nat. For. Kjøbenhaven 1871: [1]-108, *pl. 1-3*. – See Christensen (1926) 24a, b.

*Preliminary publ.*: 20 Nov 1870, Flora 1870: [385]-400.

*French résumé* also published separately as a reprint, [1]-18 from Vid. Medd. Rés. 1-18. 1872. *Copies*: B, G, HH. – Also in Adansonia 10: 197-206. 1872.

*Associated publ.*: Om Støvudvikling i Axer og Blade, p. [1]-6. *Copies*: B, C. – Reprinted and to be cited from Bot. Not. 1871: 178-185.

*Ref.*: Anon., Bull. Soc. bot. France 19: 162-163. Mar 1873 (rev.).
Schmitz, F., Flora 1871: 417-422, 433-443.

**16.713.** *Forgreningsforhold hos Fanerogamerne*, betragtede med særligt Hensyn til Kløvning af Vækstpunktet. ... Kjøbenhavn (Bianco Lunos Bogtrykkeri ...) 1872. Qu. (*Forgren.-forh. Fan.*).

*Publ.*: 1872 (Bot. Zeit. 9 Mai 1873), p. [1]-171, [172-173], *pl. 1-11* (uncol. auth.), [i]-l. *Copies*: H, HH. – (French résumé: *Recherches sur la ramification des Phanérogames* principalement au point de vue de la partition du point végétatif). – Issued as Vid. Selsk. Skr. ser. 5. 10B. 1872. – See Christensen (1926) 30.
*Ref.*: Anon., Bull. Soc. bot. France 20 (Bibl.): 212-215. 1874.
G.K., Bot. Zeit. 31: 459-463, 470-472, 745-747. 1873.

**16.714.** *Die Blüthe der Compositen* ... Bonn (bei Adolph Marcus) 1876. Oct. (*Bl. Compos.*).
*Publ.*: 1876, p. [ii]-vi, [1]-167, *pl. 1-9* (uncol. liths. auct.). *Copies*: C, G. – Issued as Bot. Abh. Morph. Phys., ed. J. Hanstein, 3(2): 1876. – See Christensen (1926) 59.
*Ref.*: G.K., Bot. Centralbl. 34: 792-797. 15 Dec 1876 (rev.).

**16.715.** *Undersøgelser og Betragtninger over Cycadeerne* ... Kjøbenhavn (Bianco Lunos Bogtrykkeri) 1877. Oct.
*Publ.*: 1877 (Bot. Zeit. 9 Nov 1877), p. [i], [1]-57, *pl. 2-4* (uncol. liths. auth.). *Copies*: BR, C, G, HH. – Reprinted and to be cited from Overs. Dansk. Vid. Selsk. Forh. 1877: [88]-144, *pl. 2-4*.
*French résumé*: *Recherches et remarques sur les Cycadées*, p. [1]-16. *Copies*: BR, C, G, HH. – Ib. Res. 1877: [16]-[31].
*Preliminary publ.*: Bot. Not. 1876: 182-183.
*Congress report*: *Sur les Cycadées*, leur morphologie ..., Act. Congr. int. Bot. Amsterdam 1877: 63-69 (discussions 69-70). 1878.
*Follow-up*: Bot. Zeit. 36: 737-739. 1878. *Ein Paar nachträgliche Notizen ... Cycadeen.* – See also below *Bidrag til Cycadeernes Naturhistorie* 1879.

**16.716.** *Om Rhizophora Mangle* L. (Aftryck ur Botaniska Notiser 1877). Oct.
*Publ.*: Jan 1877, p. [1]-8, *pl. 1* (uncol. lith.). *Copy*: B. – Reprinted and to be cited from Bot. Not. 1877: 14-21, *pl. 1*.

**16.717.** *De l'ovule* ... [Ann. Sci. nat., Bot. 1878]. Oct.
*Publ.*: Mai, Jul 1878 (in journal issues for Mai and Jul 1878), p. [1]-80, 181-190 [sic, text continuous], *pl. 7-13* (uncol. liths. auth.). *Copies*: B, C, M. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 6. 5: 177-266. *pl. 7-13*.
*Ref.*: Sch., Bot. Zeit. 37: 353-356. 30 Mai 1879 (rev.)

**16.718.** *Bidrag til Cycadeernes Naturhistorie* ... Kjøbenhavn (Bianco Lunos Bogtrykkeri) 1879. Oct.
*Publ.*: 1879 (Bot. Zeit. 5 Dec 1879; BSbF 13 Feb 1880; Nat. Nov. Nov(2) 1879; Flora 21 Nov 1879), p. [i], [1]-16, *pl. 5-6*, French résumé: [1]-6. *Copies*: B, BR, C, HH, MICH. – Reprinted and to be cited from Overs. Dansk. Vid., Selsk. Förh. 1879: 73-88, résumé p. 9-14 (*Contribution à l'histoire naturelle des Cycadées*. Additions à l'article publié en 1877. – See above 16.715 *Undersøgelser ... Cycadeerne* 1877.

**16.719.** *Haandbog i den systematiske Botanik*. Nærmest til Brug for Universitets-Studerende og Lærere ... Kjøbenhavn (P.G. Philipsens Forlag ...) 1879. Oct. (*Haandb. syst. Bot.*).
*Ed. [1]*: 1879 (p. [iv]: 1 Jun 1879; Bot. Zeit. 22 Aug 1879; Nat. Nov. Jul(2) 1879), p. [i-vii], [1]-392. *Copies*: B, C, H, NY.
*Ed. 2*: 1884 (Bot. Zeit. 31 Oct 1884; Bot. Centralbl. 1-5 Dec 1884; Nat. Nov. Sep(2) 1884), p. [i-iv], [1]-434, [435-436], [438, err.]. *Copies*: GB, H, LD, M, UC.
*Ed. 3*: 1891 (Nat. Nov. Nov(1) 1891), p. [i-iv], [1]-560. *Copies*: H, LD, UC. – *Algae* by N. Wille; *Fungi* by E. Rostrup. – "*Den Systematiske Botanik*".
*Ed. 4*: 1912 (ÖbZ Jan-Feb 1912), p. [i-vi], [1]-467. As *Frøplanterne* (*Spermatofyter*), Kjøbenhavn & Kristiania (Gyldendalske Boghandel) 1912. – Rewritten further edition of the Haandbog. – The *Sporeplanterne* 1912 were by L.K. Rosenvinge. The *Frøplanterne* were reprinted e.g. in 1933 and 1969.
*German ed. [1]*: Apr 1890 (p. vi: 21 Mar 1890; ÖbZ for Apr 1890; Bot. Zeit. 30 Mai 1890; Bot. Centralbl. 7 Mai 1890; Nat. Nov. Apr(1) 1890; Flora 5 Jul 1890), p. [i]-xii, [1]-468. *Copies*: B(2), G, HH, M, NY, PH. – *Handbuch der systematischen Botanik* ... Deutsche Ausgabe. Von Emil [Friedrich] Knoblauch [1864-1936]. Mit einer Einleitung in die Morphologie und Biologie von Blüte und Frucht. Vom Verfasser durchgesehene

und ergänzte Ausgabe ... Berlin (Gebrüder Borntraeger ...) 1890. Oct. (*Handb. syst. Bot.*).

*German ed. 2*: Apr 1902 (p. iv: 18 Oct 1901; Bot. Zeit. 16 Mai 1902; NY rd. Jul 1902; Hedwigia 5 Aug 1902; ÖbZ for Apr 1902; Nat. Nov. Mai(1) 1902), p. [i*-ii*], [i]-x, [1]-467, [468, err.]. *Copies*: B, HH, MO, NY. – Zweite Auflage von Martin [August Johannes] Möbius [Moebius] [1859-1946], ... Vom Verfasser durchgesehene und ergänzte Ausgabe ... Berlin (id.) 1902. Oct.

*German ed. 3*: 1911 (p. vi: Jun 1911; ÖbZ for Sep 1911; Bot. Centralbl. 7 Nov 1911; Nat. Nov. Dec(2) 1911), p. [i]-xii, [1]-506, [508, text chart], chart. *Copies*: B, BR, G, NY, USDA. – Dritte Auflage von Dr. Martin [August Johannes] Möbius. Berlin (id.) 1911. Oct.

*German ed. 4*: 1929 (p. vi: Apr 1929; Nat. Nov. Aug 1929), p. [i]-xvi, [1]-525, [526], chart. *Copies*: B, BR, G, HH, MO, NY, USDA. – Vierte Auflage ... Berlin (id.) 1929. Oct.

*English ed. 1*: Mar 1895 (fide 1932 ed.; Bot. Zeit. 1 Jun 1895; Bot. Centralbl. 17 Apr 1895; Nat. Nov. Apr(1) 1895), p. [i]-xii, [1]-620. *Copies*: G, HH, MICH, MO, NY, PH, USDA. – *A handbook of systematic botany* by ... E. Warming ... with a revision of the fungi by Dr. E. Knoblauch, ... translated and edited by M.C. Potter [Michael Cressé Potter, 1858-1948, see TL-2/4: 364], ... London (Swan Sonnenschein & Co.), New York (Macmillan & Co.) 1895. Oct. (*Handb. syst. bot.*). – Based on *Haandbog* ed. 3, 1892 and on Knoblauch's first German edition of 1890.

*English ed. 2*: Jul 1904 (fide 1932 ed.), p. [i]-xii, [1]-620. *Copies*: BR, NY. – London (id.), New York (id.) 1904. Oct. Actually only a second impression; no change.

*English ed., third reprint*: Oct 1920, p. [i]-xii, [1]-620. *Copies*: BR, NY. – London (George Allen & Unwin Ltd. ...) [1920]. Oct.

*English ed., fourth reprint*: Jun 1932, p. [i]-xii, [1]-620. *Copies*: B, FAS, G, HH, MO. – London (id.) [1932]. Oct.

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*Russian ed. [1]*: 1893, p. [i*], [i]-viii, [1]-624, [625-626], Moskva. *Copies*: C, G. – Translated from third Danish ed. by S. Rostowzew and M. Golenkin; preface by K.A. Timiriasew.

*Russian ed. 2*: 1898, p. [i]-x, [1]-840, issued in two parts: part 1 in 1897 (p. 1-396), Moskva. *Copy*: C.

*Ref.*: Drude, O., Bot. Zeit. 44: 171-172. 1886 (rev. ed. 2).
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Klein, L., Bot. Centralbl. 42: 277-278. 1890 (rev. German ed. 1).
Koehne, E., Bot. Zeit. 48: 346-348. 1890 (rev. German ed. 1).
Rendle, A.B., J. Bot. 50: 135-136. Apr 1912 (rev. *Frøplanterne*).

**16.720.** *Forgreningen og Bladstillingen hos Slægten Nelumbo* ... (Aftryk af Vidensk. Meddel ... Kjøbenhavn 1878-80). Oct.

*Publ.*: 1880 (Bot. Zeit. 1 Oct 1880), p. [1]-12, [German summary: 13-14], *pl. 8. Copy*: B. – Reprinted and to be cited from Vid. Medd. 1879-80: [444]-455, [German summary: 456-457], *pl. 8.* German title: *Verzweigung und Blattstellung bei der Gattung Nelumbo.*

**16.721.** *Familjen* [Familien] *Podostemaceae.* Studier af Dr. Eug. Warming ... Første Afhandling [– Afhandling vi] ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri) 1881-1901. Qu. (*Fam. Podostem.*).

*1*: 1881 (Bot. Zeit. 26 Aug 1881; Nat. Nov. Sep(1) 1881), p. [i], [1]-34, *pl. 1-6* (uncol. liths. auth.). – Issued as Vidensk Selsk. Skr. ser. 6. 2(1). 1881 (p. 22-34: *French summary, La famille des Podostémacées.* Études par ... – *German summary* in Bot. Jahrb. 2: 361-364, *pl. 2.* 1881.

*2*: 1882 (Bot. Zeit. 24 Nov 1882; Nat. Nov. Apr(1) 1883), p. [35]-88, *pl. 7-15.* – Id. ser. 6, 2(3): 77-130, *pl. 7-15. French summary* on p. 112-130 – *German summary* in Bot. Jahrb. 4: 217-223. 8 Mai 1883.

*3*: 1888 (ÖbZ 1 Jul 1889; Bot. Zeit. 25 Jan 1889; Nat. Nov. Feb(1) 1889), p. [1]-72, *pl. 16-27.* – Id. ser. 6. 4(8): 443-514, *pl. 16-27. French summary* on p. 493-514. – German summary by A. Engler, Bot. Jahrb. 11 (Lit.): 53. 18 Jun 1889.

*4*: 1891 (Bot. Zeit. 29 Jul 1892; Nat. Nov. Dec(1) 1891), p. [1]-47. – Id. ser. 6. 7(4): [133]-179. *Summary* on p. 170-179.
*5*: 1899 (Nat. Nov. Apr(1) 1899), p. [1]-50. – Id. ser. 6. 9(2): [105]-154. Summary on p. 153-154.
*6*: 1901, p. [1]-67. – Id. ser. 6. 11(1): [1]-67. Summary on p. 60-67.
*Copies*: B, BR, G, M, NY, U.
*Ref.*: Anon., Bull. Soc. bot. France 28 (Bibl.): 95-97. 1881 (rev. part 1).
Koehne, E., Bot. Zeit. 47: 304-306. 3 Mai 1889 (rev. part 3).
Poulsen, V.A., Bot. Centralbl. 8: 108-111. 24-28 Oct 1881 (rev. part 1).

**16.722.** *Den danske botaniske Literatur* fra de ældste Tider til 1880 ... Kjøbenhavn (Carl Lunds Bogtrykkeri) 1881. Oct.
*Publ.*: 1881 (Bot. Centralbl. 10-14 Oct 1881), p. [i, iii], 42-131, 158-247. – Reprinted and to be cited from Bot. Tidsskr. 12: 42-131, 158-247. 1880.
*1880-1911*: 1913, p. [i]-xxiii, [1]-279. Kjøbenhavn (H. Hagerup's Forlag). Oct. – Author C. Christensen.
*1912-1939*: 1940, p. [i-vii], [1]-350. – Author C. Christensen.
*1940-1959*: by A. Hansen, Dansk Bot. Ark. 21(1): [1]-318. 20 Jun 1963.
*1960-1984*: by A. Hansen (in preparation by Jan 1987).
*Copies*: C, H, HH, LD, NY.

**16.723.** *Om Skudbygning, Overvintring og Foryngelse* ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri) 1884. Oct.
*Publ.*: 1884, p. [1]-105. *Copies*: BR, C. – Preprinted or reprinted from Naturh. Foren. Festskrift [1]-105. 1884. – See also Bot. Not. 1884: 59-64 (abstract).
*German abstract* (by Warming): Bot. Jahrb. 5 (Lit.): 56-67. 6 Mai 1884, *Über Sprossbau, Überwinterung und Verjüngung*; see also Bot. Centralbl. 18: 184-188. 1884.

**16.724.** *Biologiske Optegnelser om grønlandske Planter* ... Særtryk af Botanisk Tidsskrift 15.B. 1. Hefte. 1885. Oct.
*1* (*Cruciferae, Ericineae*): 1885 (Bot. Zeit. 12 Mar 1886), p. [1]-56. *Copies*: C, G, H, HH. – Reprinted and to be cited from Bot. Tidsskr. 15(1) 151-206. 1885.
*2* (*Papaveraceae, Saxifragaceae, Empetrum, Streptopus*): 1887 (Bot. Zeit. 22 Apr 1887). – Id. 16: [1]-40. 1887.
*3* (*Scrophulariaceae*): 30 Nov 1889 (Bot. Zeit. 7 Feb 1890; Urban, Bot. Jahrb. 19: 563. 1894: publ. 30 Nov 1889). – Id. 17(3): 202-227.

**16.725.** *Om Bygningen* og den formodede Bestøvningsmaade af nogle *grønlandske Blomster* ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri (F. Dreyer)) 1886. Oct.
*Publ.*: 1886, cover-t.p., p. [i]-ix, [1]-59. *Copy*: M. – Reprinted and to be cited from Overs. K. Dansk. Vidensk. Selsk. Forh. 1886: [xxv]-xxxiii, [101]-159.

**16.726.** *Om nogle arktiske Væxters Biologi* ... Stockholm (Kungl. Boktryckeriet ...) 1886. Oct. (*Nogle arkt. Væxt. Biol.*).
*Publ.*: 1886 (read 10 Feb 1886; Nat. Nov. Mar(1) 1888), p. [1]-40. *Copies*: B, C, U. – Issued as Bih. Sv. Vet.-Akad. Handl. 12, Afd. 3, no. 2, 1886.

**16.727.** *Tabellarisk Oversigt over Grønlands, Islands og Færøernes Flora* 1887 ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri ...) 1888. Oct.
*Publ.*: 1888 (Nat. Nov. Jul(1) 1888), p. [1]-58. *Copies*: BR, C, H, M. – Reprinted and to be cited from Vid. Medd. 1887: 236-292. 1888.

**16.728.** *On Grønlands Vegetation* ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri ...) 1888. Oct. (*Grønl. Veg.*).
*Publ.*: 1888 (BSbF 11 Mai 1888; Nat. Nov. Jun(1) 1888), p. [i], [1]-245. *Copies*: B, BR, C, G, H, HH, NY. – Issued as Medd. Grønl. 12, 1888. – *French summary* on p. 225-245. – *German summary* in Bot. Jahrb. 10(4): [364]-409. 4 Dec 1888. – *Associated publ.*: *Beretning om den botaniske Expedition med "Fylla" i 1884*, Medd. Grønl. 8: 173-201. 1887 and *Neuere Beiträge zu Grönlands Flora*, Bot. Jahrb. 9: 274-279. 1887.
*Ref.*: Drude, O., Bot. Zeit. 46: 807-809. 1888 (rev.).

Flahault, Ch., Bull. Soc. bot. France 35 (Bibl.): 163-164. 1888.

**16.729.** *Om Caryophyllaceernes Blomster* ... Kjøbenhavn (Hoffensberg & Trap's Etabl.) 1890. Oct. (*Caryophyll. Blomster*).
*Publ.*: 12 Apr 1890 (date of 50th anniv. Bot. For.; Nat. Nov. Mai(2) 1890), p. [1]-105. *Copies*: B, BR. – Preprinted or reprinted from Festskrift, udgivet af den Botaniske Forening i Kjøbenhavn 1890, p. 194-296.
*Ref.*: Bay, J.C., Bot. Zeit. 49: 27-28. 9 Jan 1891 (rev.).

**16.730.** *Lagoa Santa.* Et Bidrag til den biologiske Plantegeografi ... Kjøbenhavn (Bianco Lunos Kgl. Hof-Bogtrykkeri ...) 1892. Qu. (*Lagoa Santa*).
*Publ.*: 1892 (ÖbZ for Dec 1892; Bot. Zeit. 16 Feb 1893; Nat. Nov. Dec(2) 1892), p. [1]-336. *Copies*: BR, C, G, HH, LC, M, MO, NY, USDA. – Issued as Dansk Vid. Selsk. Skr. ser. 6. 6(3): [153]-488. 1892. – *French summary* on p. 455-488.
*French summary* with introduction by Ch. Flahault: *Lagoa Santa* (Brésil), Étude de géographie botanique, Extrait de la Revue générale de Botanique ... 1893, p. [1]-31. *Copies*: U, US. – Reprinted and to be cited from Rev. gén. Bot. 5: 145-158, 209-223. 1893.
*Portuguese summary*: A. Löfgren, *A Flora da Lagôa Santa*, Revista brazileira 2(30): 340-352. 1896.
*Portuguese translation*: 1908 (p. [3]: Jan 1908), p. [1]-282, [i]-ii. *Copies*: M, NY, USDA. – *Lagoa Santa* contribuição para o geographia phytobiologica ... Bello Horizonte (Imprensa official do Estado de Minas Geraes) 1908. Qu. – Translation by Alberto Löfgren.
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*Ref.*: Taubert, P.H.W., Bot. Jahrb. 16 (Lit.): 44-49. 1893 (rev.).

**16.731.** *Note sur la biologie et l'anatomie de la feuille des Vellosiacées* ... (Extrait du Bulletin de l'Académie Royale des Sciences et des Lettres de Danemark, Copenhague ... 1893). Oct.
*Publ.*: 1893 (read 10 Feb 1893; Nat. Nov. Oct(2) 1893), p. [1]-44. *Copies*: B, BR, US. – Reprinted and to be cited from Overs. Vid. Selsk. Forh. 1893: [57]-100.
*Ref.*: Klebahn, H., Bot. Zeit. 51(2): 289-292. 1 Oct 1893 (rev.).

**16.732.** *Plantesamfund.* Grundtræk af den økologiske Plantegeografi ... Kjøbenhavn (P.G. Philipsen's Forlag ...) 1895. Oct. (*Plantesamfund*).
*Publ.*: Apr 1895 (p. iv: 1 Mar 1895; Bot. Centralbl. 22 Mai 1895; Bot. Zeit. 16 Mai 1895; Nat. Nov. Mai(2) 1895; Flora 15 Jul 1895), p. [i]-viii, [1]-335. *Copies*: B, C, H, NY.
*German transl. ed.* [*1*]: Mai 1896 (p. vi: 22 Apr 1896; ÖbZ for Mai 1896; Bot. Centralbl. 17 Jun 1896; Bot. Zeit. 1 Jul 1896; Nat. Nov. Mai(2) 1896), p. [i]-xii, [1]-412. *Copies*: B, BR, G, H, HH, M, MO, NY.– *Lehrbuch der ökologischen Pflanzengeographie.* Eine Einführung in die Kenntniss der Pflanzenvereine ... Deutsche vom Verfasser genehmigte, durchgesehene und vermehrte Ausgabe von Dr. Emil [Friedrich] Knoblauch [1864-1936], ... Berlin (Gebrüder Borntraeger) 1896. Oct. (*Lehrb. ökol. Pfl.-Geogr.*).
*German transl. ed. 2*: Feb-Mar 1902 (p. v: 31 Dec 1901; ÖbZ for Feb-Mar 1902; NY rd. Mai 1902; Hedwigia 24 Apr 1902; Nat. Nov. Apr(2) 1902), p. [i]-viii, [1]-442. *Copies*: B, H, HH, LIV, MO, PH. – Zweite Auflage der deutschen Ausgabe übersetzt von Dr. Emil Knoblauch. Bearbeitet und nach der neuesten Litteratur vervollständigt von [Karl Otto Robert Peter] Paul Graebner [1871-1933] ... Berlin (id.) 1902. Oct.
*German transl. ed. 3*: 1914-1918 (in 6 parts: 1-80, Dec 1914; 81-640, 1916-1917; 641-960, Dec 1917; 961-988, (1)-(6a) Feb 1918), p. [i]-viii, [(1)]-(64), [1]-988. *Copies*: B, BR, G, H, HH, M. – Eug. Warming's *Lehrbuch der ökologischen Pflanzengeographie* Dritte umgearbeitete Auflage von Eug. Warming ... und P. Graebner ... Berlin (id.) 1918. Oct.
*Lief. 1*: 1914 (ÖbZ for Nov 1914), p. [1]-80.
*Lief. 2*: 1915, p. [81]-240.

*Lief. 3*: 1915 (ÖbZ 1 Apr 1916), p. [241]-416.
*Lief. 4*: 1916, p. 417-640.
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*German transl. ed. 4*: 1930-1933 (5 parts: 1-240, Jul 1930; 241-480, Nov 1930; 481-720, Aug 1931; 721-960, 1932; 961-1158, Aug 1933), p. [i]-viii, [1]-1157, [1, err.]. *Copies*: B-G, BR, H, HH.
*English transl.*: Mai 1909 (p. vi: Mar 1909; ÖbZ for Mai 1907; AbZ 20 Jul 1909; Bot. Centralbl. 17 Aug 1909; J. Bot. Sep 1909), p. [i]-xi, [1]-422, [423, colo.]. *Copies*: B-S, BR, C, DBN, G, GB, H, HH, LIV, PH, US, USDA. *Oecology of plants* an introduction to the study of plant-communities by Eug. Warming, ... assisted by Martin Vahl, ... prepared for publication in English by Percy Groom, .... and Isaac Bailey Balfour, ... Oxford University Press, London: Humphrey Milford. 1909. Oct. (*Oecol. pl.*).
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*Polish ed.*: 1900 (n.v.), *Zbiorowiska rošlinne zarys ekologicznej geografi rošlin* ... Warszawa 1900, xiv, 452 p. *Copy*: C.
*Russian ed. (1)*: 1901 (n.v.), Moskva; 542 p., transl. by M. Golenkin and W.M. Arnoldi.
*Russian ed. (2)*: 1902-1903 (n.v.), S. Petersburg edition; transl. A.G. Henkel, additions G.J. Tanfiljew, xii, 474 p. Published in 3 parts.
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**16.733.** *Halofyt-Studier* ... Kjøbenhavn (... Bianco Lunos Kgl. Hof-Bogtrykkeri ...) 1897. Qu. (*Halofyt-Stud.*).
*Publ.*: 1897 (Nat. Nov. Jul(1, 2) 1897), cover-t.p., p. [1]-100. *Copies*: B, BR, C, G, H, HH, M, US. – Reprinted and to be cited from Danske Vid.-Selsk. Skr. ser. 6. 8(4): [173]-272.

**16.734.** *Planters og Plantesamfunds Kampe om Pladsen.* Foredrag ... Stockholm (Nya Tryckeri-Aktiebolaget) 1899. Oct.
*Publ.*: 1899 (read 9 Jul 1898), cover-t.p., p. 1-21. *Copies*: B, C. – Reprinted and to be cited from Förh. 15. Skand. Naturf. Mötet, Stockholm 1898: 92-112. 1899.

**16.735.** *Sur quelques Burmanniacées* recueillies au Brésil par le Dr. A. Glaziou ... Académie Royale des Sciences et des Lettres de Danemark ... 1901. Oct.
*Publ.*: 1901, cover-t.p., p. 1-16, *pl. 3-4*. *Copies*: B, BR, G(2), HH. – Reprinted and to be cited from Overs. Vid. Selsk. Forh. 1901: [173]-188, *pl. 3-4*.

**16.736.** *Botany of the Færöes* based upon Danish investigations ... Copenhagen and Christiania (Gyldendalske Boghandel-Nordisk Forlag), London (John Wheldon & Co.) 1901-1908, 3 vols. Oct. (*Bot. Færöes*).
*Authorship*: see contents; E. Warming was general editor as well as author of *Historical notes* (1: 1-5), *The history of the Flora of the Færöes* (2: 660-681), *Field notes on the biology of some of the flowers of the Færöes* (3: 1055-1065). For dates of preprints or various articles see para. following contents.
*1*: 1901, in 4 parts (p. 1-197: 15 Feb 1901; 198-259: 3 Apr 1901; 260-303: 20 Apr 1901; 304-330: 30 Apr 1901. In view of the page division it may be assumed that in some cases these were preprints; preface matter [i-vii] 1908), p. [i-vii], map (*pl. 1*), [i-iii], [1]-338, [1-2, err.], *pl. 2-10*.
*2*: 1902-1903 (p. 339-532: 15 Nov 1902; 533-557: Mar 1903; 558-612: 25 Feb 1903; 613-624: 15 Aug 1903; 625-659: 31 Aug 1903; 659-681: 12 Sep 1903), p. [i-iv], [339]-681, *pl. 11*.
*3*: 1905-1908 (p. 683-834: 1 Nov 1905; 835-864: 13 Nov 1907; 867-1026: 3 Feb 1908; 1027-1043: 3 Feb 1908; 1043-1070: Dec 1908; Appendix: 28 Aug 1905), p. [i-iii], [683]-1070, [i]-xxxviii, *pl. 13-24*.
*Copies*: BR, G, HH, MO, USDA.

**16.737.** *The history of the flora of the Færöes* .... Copenhagen (printed by H.H. Thiele) 1903. Oct.
*Publ.*: 12 Sep 1903, p. [i, recto of 660], [660]-681. *Copies*: BR, C, H. – Reprinted or preprinted from Bot. Færöes 2: [660]-681. 1903 (see above).

**16.738.** *Dansk Plantevækst* ... København og Kristiania (Gyldendalske Boghandel, Nordisk Forlag) 1906-1919. 3 vols. Oct. (*Dansk Plantev.*).
*1*, *Strandvegetationen*: 1906 (p. vi: 5 Jan 1906; Nat. Nov. Mai(2) 1906), p. [i]-vi, [vii], [1]-325.
*2*, *Klitterne*: 1907-1909 (1-224. 1907, 225-376. 1909), p. [i-vi, preface matter 1909], [i, 1907 t.p. for fasc. 1], [1]-224, [fasc. 2:] 225-376. – Collaborators: C.V. Prytz, C.F. Dahlerup et al.
*3*, *Skovene*: 1916-1919 (in six parts in Bot. Tidsskr., in 3 parts in commercial issue: 1916, 1918, 1919), p. [i-viii], [1]-635. Collaborators: C.V. Prytz, C. Olsen.
*Copies*: B-S; BR, C, H, NY, Peterson, PH. – For further details see Christensen (1926) no. 239.

**16.739.** [The Structure and Biology of Arctic flowering Plants I]. 1. *Ericineae* (Ericaceae, Pirolaceae. 1. Morphology and Biology by Eug. Warming [Copenhagen (printed by Bianco Luno] 1908]. Oct.
*I(1)*: 1908 (ÖbZ Mai-Jun 1908), p. [i], [1]-71. *Copies*: C, G, HH, NY, PH, US. – Reprinted and to be cited from Medd. Grønl. 36: 1-71. 1908.
*I(4)*: 1909 (ÖbZ Oct-Nov 1909), p. [i-ii], 169-236. *Copies*: B, C, G, HH, PH. – *Saxifragaceae* 1. Morphology and Biology. – Ib. 36: 169-236. 1909.
*I(13)*: 1920, p. [i], 229-232. *Copies*: B, C, H, HH, PH. *Caryophyllaceae*. – Ib. 37: 229-342. 1920.

**16.740.** *Observations sur la valeur systématique de l'ovule* ... København (Bianco Lunos Bogtrykkeri) 1913. Qu. (*Observ. ovule*).
*Publ.*: 1913 (ÖbZ for Oct-Dec 1913), cover-t.p., p. [1]-45. *Copies*: B, C, M. – Issued as part 24 of Mindeskrift for Japetus Steenstrup, 1913.
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**Warner, Richard** (1711 [1713?]-1775), British classicist and botanist; B.A. Wadham Coll. Oxford 1734; "possessed of an ample fortune" living at Woodford Green dedicating himself to botany, classical and Shakespearean studies; correspondent of Linnaeus. (*Ri. Warner*).

HERBARIUM and TYPES: OXF (unlocalized); Essex Naturalist's Field Club (moss., lich. rd. 1881). Library and drawings at Wadham College.

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Wilson, E.H., Plant hunting 2: 109. 1927.

EPONYMY: *Warneria* P. Miller (1759).

**16.741.** *Plantae woodfordienses* a catalogue of the more perfect plants growing spontaneously about Woodford in the county of Essex .... London (printed for the author) 1771. Oct. (in fours). (*Pl. woodford.*).
*Publ.*: 1771 (p. vii: 1 Jul 1771), p. [i]-vii, 1-238, [1-2, err.]. *Copies*: HH, NY, USDA (lacking the index 223-238). – The *Index latinus* p. 223-238, published later, lacking in some copies. See Thompson (1920, 1921, 1924), HE 3: no. 1477 and BL 2: 240-241 for information on annotated copies.
*Additions to Warner's Plantae woodfordenses* [by Thomas Furly Forster]: 1784, p. [i-ii], 243-255, [1]. *Copy*: BM. – BM copy has mss. statement by J. Dryander on authorship.
*Ref.*: Thompson, P., Essex Naturalist 19: 72-88, *pl. 4-7.* 1920, 19: 231-237, *pl. 19-20.* 1921, 20: 268-276, *2 pl.* 1924 (on annotated copies).

**Warner, Robert** (c. 1815-1896), British orchid grower at Chelmsford. (*Ro. Warner*).

HERBARIUM and TYPES: Unknown. – Originals of Orchid Album at BM.

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**16.742.** *Select orchidaceous plants* ... The notes on culture by Benjamin S. Williams ... London (Lovell Reeve & Co. ...) 1862-1865. (*Select orchid. pl.*).
*Notes culture*: Benjamin Samuel Williams [1824-1890].
*Orig. series*: 1862-1865 (10 parts of 4 plates each, publ. Jun, Aug, Sep-Nov, Dec 1862, Jul 1863, Feb(?) 1844, Mar 1865 (parts 9-10), list of contents in copy at AMES, by L.A. Garay), p. [i*], [i]-vi, [vii, cont.], *pl. 1-40* with text (col. liths.). *Copies*: AMES, BR, HH, MICH, MO. - Plates by J. Andrews and W.H. Fitch.
*Ser. 2*: 1865-1875(in 13 parts; p. viii: Apr 1875; 1864-1875 see copy AMES), p. [i-vii], *pl. 1-39* with text (id.). *Copies*: AMES, HH, MO. – Plates by W.H. Fitch.
*Ser. 3*: 1877-1891 (in 13 parts, *pl. 1-39* with text (id.), for contents see copy AMES). *Copies*: AMES, HH. – Plates by W.H. Fitch, J.N. Fitch, J.L. Macfarlane.

*Facsimile ed.*: 1970, 10 plates, 48 p., ISBN 0-901571-38-5. Bath, Somerset (Kingsmead) n.v.

**Warnstorf, Carl [Friedrich E.]** (1837-1921), German (Prussian (Lausitz)) teacher and botanist; studied at the teacher's college of Neustadt 1855-1858; teacher at a primary school at Arnswalde 1859-1867; head-teacher at the boy's school ("Knabenmittelschule") of Neuruppin 1861-1899; in retirement fully dedicating himself to botany, from 1906 in Berlin; professor's title 1917. (*Warnst.*).

HERBARIUM and TYPES: B (original herbarium, rd. 1909 [endowment A.E.W. Retzdorff], destroyed; "Handherbar" with many types, rd. between 1943 and 1950, extant), BP (second part of original herb., see K. Müller 1944; destroyed except for circa 100 specimens of Andreaeales) (for a detailed account of the present Berlin holdings see Schultze-Motel (1962)). Further material in BM, DBN, DPU, E, FH (in Max Fleischer herb.), GOET (incl. "Flora von Clötze, 1873), H, K, KIEL, M, MICH, OXF, PC, PH, PI, QK, S, W, WRSL.
*Exsiccatae*: (1) With Max Fleischer *Bryotheca europaea meridionalis*, cent. i-iv, nos. 1-400, Rouen 1896-1910; sets at B, BM, C, E, FH (compl.), H, HAL, K, M, PC, S, U, W, see TL-2/1: 844.
(2) *Märkische Laubmoose* in getrockneten Exemplare, fasc. i-xi, nos. 1-275, Neuruppin 1872-1875. Sets at FH, HAL (Sayre 1971, p. 270-271). – Cited in Warnstorf, Laubmoose, Krypt.-Fl. Brandenburg 2, 1904-1906. – See Verh. bot. Ver. Brandenb. 13: 166-168. 1872 and Bot. Zeit. 30: 639-640. 1872 for announcement of series and list of fasc. 1-2; fasc. 11, ib. 17: 86-87. 1875. *Collectors*: Warnstorf and R. Ruthe. See Sayre (1971).
(3) *Sphagnotheca europaea*, fasc. 1-4, nos. 1-200. Neuruppin 1881-1884. Sets at G, H, NY. (see Sayre 1971, p. 271-272). – Announcements: Verh. bot. Ver. Brandenburg 23: 47-48. 1881 and Bot. Centralbl. 7: 96. 1881: to go with his *Europäische Torfmoose* (1881). – See Sayre (1971).
(4) *Sammlung europäischer Torfmoose*, ser. 1-4, nos. 1-401. Neuruppin 1888-1894. Sets at BM, FH, H, KIEL, PC, UPS (further details Sayre 1971 p. 271).
(5) *Sammlung deutscher Laubmoose*, nos. 1-493, 1875-1881, see Verh. bot. Ver. Brandenburg 1875: 88-90, 1876: xxxii-xxxiv, 1877: xxix-xxxii, 1879: xxii-xxiii, 1880: li-lii.
(6) *Sammlung deutscher Lebermoose* nos. 1-97, 1877-1881, see Verh. bot. Ver. Brandenburg 1879: xxvi-xxvii, 1880: liii. Set at FR.
*Letters* at FH, G, H, NY.

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(2) Contributed to J. Mildbraed, *Wiss. Erg. zweit. deut. Zentr.-Afr. Exped.*, *Bot.* 1922, TL-2/6009.
(3) *Sphagnaceae* (Torfmoose), *in* EP, Nat. Pflanzenfam. 1(3): 248-262. 19 Mar 1901, TL-2/1710.
(4) *Sphagnales-Sphagnaceae* (Sphagnologia universalis), *in* A. Engler, *Das Pflanzenreich* III, Heft 51, p. [i]-iv, [1]-546. 19 Dec 1911, TL-2/1713. *Facsimile reprint* 1976, J. Cramer, in der A.R. Gantnerverlag KG Vaduz (slightly reduced size); an earlier facsimile ed., also by J. Cramer, was part of the reprint of the *Pflanzenreich* 1956-1961.
(5) *Bryophyta* (Sphagnales [by Warnstorf], Bryales [by W. Mönkemeyer], Hepaticae [by V. Schiffner]), *in* A. Pascher, ed., *Süssw.-Fl. Deutschl.* Heft 14: Jan 1914, p. [i]-iv, [1]-222 (Sphagn. 3-38). See TL-2/7423.
(6) *Sphagnaceae*, *in* E. Bescherelle, C. Warnstorf et F. Stephani, *Cryptogamae centrali-americanae* in Guatemala, Costa Rica, Columbia & Ecuador a cl. F. Lehmann lectae, in Bull. Herb. Boiss. 2(6): [400]-401. Jun 1894, TL-2/12.998 (reprint p. [1]-2, *copy*: G).
(7) Levier, E., *Sfagni italiani* determinati del Sig. C. Warnstorf, Nuov. Giorn. bot. ital. n.s. 8(1): 75-86. Jan 1901.

EPONYMY: *Warnstorfia* Loeske (1907).

NOTE: No full sized bibliography of the writings of this prolific author exists. A list of his writings on the *Sphagnales* is given by Isoviita (1966); general lists of publications in periodical publications exist in CSP (up to 1900) and Biologie-Dokumentation (limited mainly to the papers in Flora and Verh. bot. Ver. Brandenburg; this bibliography left Hedwigia out [sic]).

**16.743.** *Beiträge zur märkischen Laubmoosflora* ... [1871].

[*1*] 28 Sep 1871 , p. [117]-125. *Copy*: B. – Reprint (or tearsheet?) from Verh. bot. Ver. Brandenburg 12(3): [117]-125. 1871.
*2*: 12 Mar 1872 (in journal), p. 80-91. *Copy*: B. – Id. 14(2): 80-91. 1873.

**16.744.** *Systematische Zusammenstellung* der bis zum Jahre 1870 in der Umgebung von Amswalde beobachteten einheimischen und verwilderten Phanerogamen und Kryptogamen ... [Verh. bot. Ver. Brandenburg 1871]. Oct.
*Publ.*: 1871, p. [1]-46. – *Copy*: B. – Interleaved reprint or tearsheet copy; to be cited from Verh. bot. Ver. Brandenburg 13: [1]-46. 1871. – Preceded by *Verzeichniss der in der Mark ... beobachteten Lichenen* ib. 11: 105-128. 1869.
*Nachträge zur Arnswalder Flora*: 1872, p. 76-79. Tearsheet copy B; to be cited from Verh. bot. Ver. Brandenburg 14: 76-79. 1872.

**16.745.** *Zwei Tage in Havelberg* und ein Ausflug nach der Ostpriegnitz. Ein Beitrag zur Flora der Mark ... mit Zusätzen, betreffend die Flora der Umgegend von Putlitz, ... [Verh. bot. Ver. Brandenburg 1880]. Oct.
*Authorship*: "Zusätze" by [Bernhard Adalbert] Emil Koehne (1848-1918), TL-2/2: 595-597.
*Publ.*: 1880, p. [144]-170. *Copy*: NY. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 21 (Abh.): [144]-170. 1880.

**16.746.** *Die europäischen Torfmoose.* Eine Kritik und Beschreibung derselben ... Berlin (Verlag von Theobald Grieben) 1881. Oct. (*Eur. Torfm.*).
*Publ.*: Mai 1881 (p. vi: Mai 1881; Bot. Centralbl. 30 Mar-3 Jun 1881; Flora 21 Jun 1881; Bot. Zeit. 24 Jun 1881; Bot. Jahrb. 17 Nov 1881; Hedwigia Sep 1881; Nat. Nov. Jun(2) 1881), p. [i]-vi, [vii], [1]-152. *Copies*: B, BR, FH, G, H, NY.
*French transl.*: 1888 (Berlin copy rd. by dedicatee 5 Sep 1888), cover-t.p., p. [1]-101. *Copies*: B, BR, H. – Reprinted and to be cited from Rev. Bot. 6: 217-272. 1887, 6: 355-399. 1888. *Les Sphaignes d'Europe* étude critique de description de ces végétaux ... traduit ... par ... A.-L. Letacq. Auch (Imprimerie et lithographie G. Foix, ...) 1888.
*Note*: E.C. Horrell, *The European Sphagnaceae* 1901, TL-2/3055 is not a translation of *Eur. Torfm.* 1881, but a compilation of Warnstorf's subsequent classifications.
*Ref.*: Holler, A., Flora 64: 284-288. 21 Jun 1881 (rev.).
Kienitz-Gerloff, J.H.E.F. & C. Fisch, Bot. Zeit. 40: 116-118. 17 Feb 1882 (rev.).
Warnstorf, C., Bot. Zeit. 6(23): 335-337. 1881 ("Autoreferat").

**16.747.** *Die Torfmoose im Königlichen Botanischen Museum zu Berlin.* Eine bryologische Studie ... Kassel und Berlin (Verlag von Theodor Fischer) 1882. Oct.
*Publ.*: 16 Jan-3 Feb 1882 (in journal), cover-t.p., p. [1]-20. *Copies*: B, H, NY. – Reprinted and to be cited from Bot. Centralbl. 9(3): 96-102. 16-20 Jan 1882, 9(4): 131-136. 23-27 Jan 1882, 9(5): 166-173. 30 Jan-3 Feb 1882. See also Flora 6: 371-380. Jun 1883 ("Autoreferat" Bot. Centralbl. 35: 226-227. 1883).

**16.748.** *Die Torfmoose des v. Flotow'schen Herbarium* im königl. bot. Museum in Berlin ... (Separatabdruck aus Flora 1883, Nr. 24). Oct.
*Publ.*: 21 Aug 1883 (in journal), p. [1]-10, *pl. 15*. *Copy*: B. – Reprinted and to be cited from Flora 66: 371-380. 1883.

**16.749.** *Beiträge zur Moosflora des Oberharzes* ... (Separat-Abdruck aus "Hedwigia" 1883. Nr. 10 und 11). Oct.
*Publ.*: Oct-Nov 1883 (in journal; Flora Jan 1884), p. [1]-11. *Copies*: H. – Reprinted and to be cited from Hedwigia 22: 148-153. Oct 1883, 165-170. Nov 1883.
*Weitere Beiträge*: 1894 (p. 11: Oct 1894), p. [1]-11. *Copies*: B, H. – Reprinted and to be cited from Z. nat. Ver. Harz. Wernigerode 9: 1-11. 1894. – "Autoreferat" Bot. Centralbl. 62: 230. 15 Mai 1895.
*Weitere Beiträge [II]*: 1895 (p. 49: Sep 1895), p. [45]-49. *Copy*: B. – Id. 10: [45]-49. 1895.

**16.750.** *Neue europäische Sphagnumformen* ... (Separat-Abdruck aus "Hedwigia" 1884. Nr. 7 und 8). Oct.
*Publ.*: Jul-Aug 1884 (in journal; Bot. Centralbl. 29 Sep-3 Oct 1894; Flora 11 Nov 1884),

p. [1]-18. *Copies*: H, M. – Reprinted and to be cited from Hedwigia 23: 97-105. Jul 1884, 116-125. Aug 1884. – "Autoreferat", Bot. Centralbl. 21(3): 71-72. 12-16 Jan 1885.

**16.751.** *Sphagnologische Rückblicke* ... Regensburg (Druck der F.H. Neubauer'schen Buchdruckerei (F. Hubert)) 1884. Oct.
*Publ.*: 1 Sep-1 Nov 1884 (in journal), p. [1]-63, *pl. 5-6*. *Copies*: B, H. – Reprinted and to be cited from Flora 67: 469-483, *pl. 5-6*. 1 Sep 1884, 485-516. 11 Sep 1884, 597-611. 1 Nov 1884. – "Autoreferat" by Warnstorf in Bot. Centralbl. 21: 5-6. 29 Dec-2 Jan 1885.

**16.752.** *Moosflora der Provinz Brandenburg*. Eine systematische Zusammenstellung der bisher in diesem Gebiete beobachteten Leber-, Torf- und Laubmoose ... Berlin (Druck von Mesch & Lichtenfeld ...) 1885. Oct.
*Publ.*: 14 Aug-23 Oct 1885 (in journal; Bot. Zeit. 26 Mar 1886; Nat. Nov. Nov(2) 1885; Flora 21 Dec 1885), p. [i], [1]-94. *Copies*: B, G, H. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 27(Abh.)(1): 1-48. 14 Aug 1885, (2): 49-94. 23 Oct 1885. – "Autoreferat" in Bot. Centralbl. 25(7): 199-201. 8-12 Feb 1886.

**16.753.** *Beiträge zur Moosflora Grönlands* ... (Sonderabzug aus:" Schriften des naturwissenschaftlichen Vereins des Harzes in Wernigerode ... 1887). Oct.
*Publ.*: 1887, p. [1]-4. *Copy*: B. – Reprinted and to be cited from Schr. nat. Ver. Harz. Wernigerode 2: 70-73. 1887. – "Autoreferat" Bot. Centralbl. 34: 356. 1888.

**16.754.** *Die Acutifoliumgruppe der europäischen Torfmoose*. Ein Beitrag zur Kenntnis der Sphagna ... Separatabzug aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg. XXX. [1888]. Oct.
*Publ.*: 18 Mai 1888 (in journal), p. [79]-127. *pl. 3-4*. *Copy*: NY. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 30(Abh.): [79]-127. *pl. 3-4*. 1888.

**16.755.** *Ein Ausflug nach der Uckermark* ... Berlin (Druck von Mesch & Lichtenfeld, ...) 1888. Oct.
*Publ.*: 29 Sep 1888 (in journal), p. [i, recto of p. 288], [288]-298. *Copies*: B(2). Reprinted and to be cited from Verh. bot. Ver. Brandenburg 30(1): [288]-298. 1888.
*Weitere Beiträge zur Flora der Uckermark*: 28 Feb 1891 (in journal; reprint not dated, p. 270: Aug 1890), p. [255]-271. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 32(Abh.): [255]-271. 1891.

**16.756.** Contributions to the knowledge of the *North American Sphagna* ... From the Botanical Gazette ... 1890, 4 parts. Oct.
*1*: 21 Jun 1890, p. [127]-140. – Reprinted and to be cited from Bot. Gaz. 15: 127-140. 1890.
*2*: 22 Jul 1890, p. [189]-198. – Id. 15: [189]-198. 1890.
*3*: 15 Sep 1890, p. [217]-227. – Id. 15: [217]-227. 1890.
*4*: 28 Oct 1890, cover-t.p. for the consolidated reprint of parts 1-4, p. 242-255. – Id. 15: 242-255. 1890.
*Copy*: NY.

**16.757.** *Die Cuspidatum-Gruppe der europäischen Sphagna*. Ein Beitrag zur Kenntnis der Torfmoose ... Separat-Abdruck aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg ... [1891]. Oct.
Publ.: 28 Feb 1891 (in journal; reprint not dated; Nat. Nov. Jul(2) 1891), p. [173]-231, *pl. 1-2*. *Copy*: BR. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 32(2): [173]-231, *pl. 1-2*. 1891.

**16.758.** *Bemerkungen über einige im Harz vorkommende Lebermoose* ... (Abdruck aus den Schriften des naturwissenschaftlichen Vereins des Harzes in Wernigerode ... 1891. Oct.
*Publ.*: 1891 (p. 58: Nov 1891), p. [51]-58. *Copies*: B(2). – Reprinted and to be cited from Schr. nat. Ver. Harz. Wernigerode 6: [51]-58. 1891.

**16.759.** *Beiträge zur Ruppiner Flora* mit besonderer Berücksichtigung der Pteridophyten [sic] ... Wernigerode (Druck von B. Angerstein) 1892. Oct.
*Publ.*: 1892 (p. 30: Nov 1892), p. [1]-30. *Copies*: B, H, M, USDA. – Reprinted and to be cited from Schr. nat. Ver. Harz. Wernigerode 7: 63-90. 1892.

**16.760.** *Beiträge zur Flora von Pommern* ... [Separatabdruck aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg 1893]. Oct.
*Publ.*: 20 Feb 1893 (in journal; p. 38: Aug 1892; reprint not dated), p. [i, recto of 30], [30]-38. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 34: [30]-38. 1893.
*Weitere Beiträge*: 2 Apr 1896 (in journal; p. 65: Aug 1895; reprint not dated; Bot. Centralbl. 2 Oct 1895 (sic: preprint?), p. [62]-65. *Copy*: B. – Id. 37: [62]-65. 1896.
*Weitere Beiträge III*: Oct 1899-Feb 1900, p. [1]-9. *Copy*: B. – Reprinted and to be cited from Allg. bot. Z. 5: 154-157. Oct 1899, 169-171. Nov 1899, 188-189. Dec 1899, 6: 19-20. Feb 1900.

**16.761.** *Gharakteristik* [sic, for Charakteristik] *und Uebersicht der Europäischen Torfmoose* nach dem heutigen Standpunkte der Sphagnologie (1893) ... Wernigerode (Druck von B. Angerstein) 1893. Oct.
*Publ.*: Nov-Dec 1893 (p. 17: Oct 1893; reprint dated 1893; Nat. Nov. Mar(1) 1894), p. [1]-17. *Copies*: B, FH, H, M, NY, USDA. – Reprinted and to be cited from Schr. nat. Ver. Harz. Wernigerode 8: 12-26. 1893.

**16.762.** *Charakteristik und Uebersicht der nord-, mittel-, und südamerikanischen Torfmoose* nach dem heutigen Standpunkte der Sphagnologie (1893). Sonderabdruck aus "Hedwigia" 1894.
*Publ.*: 20 Dec 1894 (in journal), p. [307]-337. *Copy*: B. – Reprinted and to be cited from Hedwigia 33(6): [307]-337. 1894.

**16.763.** *Einige Beiträge zur Kenntniss und Verbreitung der Laub- und Torfmoose in den baltischen Provinzen Russlands* ... [Separat-Abzug aus den Sitzungsberichten [für 1894] der Dorpater Naturforscher-Gesellschaft Jhrg. 18: [1895]]. Oct.
*Publ.*: 1895, cover, p. 425-429. *Copy*: B. – Reprinted and to be cited from S.B. Dorpat. Naturf.-Ges. 18: 425-429. 1895.

**16764.** *Beiträge zur Kenntnis der Bryophyten Ungarns* ... (Separat-Abdruck aus der "Oesterr. botan. Zeitschrift", ... 1895]. Oct.
*Publ.*: Mar-Apr 1895 (in journal), p. [1]-10. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 45: 94-97. Mar, 137-143. Apr 1895. – "Autoreferat" Bot. Centralbl. 63: 307-308. 18 Sep 1895.

**16.765.** *Ueber die deutschen Thuidium-Arten* aus der Section Euthuidium ... Sonderabdruck aus der Zeitschrift des Naturwissenschaftlichen Vereins des Harzes in Wernigerode ... 1896. Oct.
*Publ.*: Dec 1896 (p. 8: Nov 1896; Bot. Centralbl. 4 Mar 1897), p. [1]-8. *Copy*: B. – Reprinted and to be cited from Z. nat. Ver. Harz. Wernigerode 11: [1]-8. 1896. – A second (tearsheet) copy at B has an original drawing by C.W. added.

**16.766.** *Die Moor-Vegetation der Tucheler Heide*, mit besonderer Berücksichtigung der Moose ... Sonder-Abdruck ... Schriften der Naturforschenden Gesellschaft in Danzig ... 1896. Oct.
*Publ.*: 1896 (possibly publ. 1897; Nat. Nov. Jan(1) 1898), p. [1]-69. *Copies*: B, FH, H, M, NY. – Reprinted and to be cited fom Schr. Naturf. Ges. Danzig ser. 2. 9(2): Anlage B: 111-179. 1896.

**16.767.** *Neue Beiträge zur Kryptogamenflora der Mark Brandenburg* ... [Separat-Abdruck aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg ... 1896]. Oct.
*Publ.*: 5 Dec 1896, p. [142]-160. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 38(Abh.): [142]-160. 1896. – Contains *Ueber die Ziele einer Kryptogamenflora*, published by the "Commissio" for the planned *Kryptogamenflora der Mark*

*Brandenburg*, by G. Lindau (chairman), R. Kolkwitz (secr.), P. Hennings , G. Hieronymus, F. Ludwig, A. Möller, O. Müller, P. Sorauer, C. Warnstorf.

*Bericht 1896*: 31 Mai 1897, p. [25]-38. *Copy*: B. – Id. 39(Abh.): [25]-38. 1897. – *Bericht über den* ... vom 26 September bis 2. October 1896 unternommenen *Bryologischen Ausflug nach Joachimsthal*, von C. Warnstorf.

*Bericht 1898(1)*: 4 Jan 1899, p. [i, recto of 178], [178]-193. *Copy*: B. – Id. 40(Abh.): [178]-193. 1899. – *Bericht über die* im Juli 1898 ... erfolgte *bryologische Reise nach der Niederlausitz*, von C. Warnstorf, I. *Allgemeiner Teil.*

*Bericht 1898(2)*: 25 Mai 1899, p. [i], [19]-80. *Copies*: B, FH. – Id. 41(Abh.): [19]-80. 1899. – *Verzeichniss der in der Niederlausitz beobachteten Moose* ... II. *Specieller Teil.*

*Bericht 1899*: 24 Jul 1900 (in journal), p. [175]-221. *Copies*: B(2). – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 42(2)(Abh.): [175]-221. 1900. – *Bericht über die* im Jahre 1899 unternommenen *bryologischen Ausflüge nach der Neumark, Altmark und Prignitz.*

**16.768.** *Beiträge zur Kenntniss exotischer und europäischer Torfmoose* ... Cassel (Druck von Gebr. Gotthelft, ...) 1898. Oct.

*Publ.*: 7 and 21 Dec 1898 (in journal), cover-t.p., p. [1]-12. *Copies*: B, H. – Reprinted and to be cited from Bot. Centralbl. 76: [385]-390. 7 Dec, [417]-423. 21 Dec 1898.

*Note*: For a list of Warnstorf's numerous short papers *Beiträge zur Kenntniss exotischer Sphagna* 1890-1893 (in Hedwigia), 1895 (Allg. bot. Z.): see Isoviita (1966) p. 261. Reprints exist without pagination of the Allg. bot. Z. papers (*copies* B, H) and of the Hedwigia papers with original pagination (*copy*: B).

**16.769.** *Miscellen aus der europäischen Moosflora* ... Separatabdruck aus "Beiheft Nr. 1" zur "Allg. Bot. Zeitschr." ... 1899. Oct.

*Publ.*: Aug 1899, p. [1]-16. *Copies*: B, G, H. – Reprinted and to be cited from Allg. bot. Z. 1899(7-8): Beih. 1: 28-43.

**16.770.** *Beiträge zur Kenntniss der Moosflora von Südtirol* ... (Aus den Verhandlungen der k.k. Zoologisch-botanischen Gesellschaft in Wien [Jahrgang 1900] besonders abgedruckt). Oct.

*Publ.*: 15 Feb 1900 (read 12 Dec 1899; cover of issue dated; copy H. Lindberg at H dated 19 Mar 1900; Bot. Centralbl. 15 Aug 1900), p. [1]-20. *Copies*: B, H. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 50: [6]-24, 1900.

**16.771.** *Weitere Beiträge zur Kenntniss der Torfmoose* ... Cassel (Druck von Gebr. Gotthelft, ...) 1900. Oct.

*Publ.*: 28 Mar -11 Apr 1900 (in journal), cover-t.p., p. [1]-24. *Copies*: B, H, NY. – Reprinted and to be cited from Bot. Centralbl. 82: 7-14. 28 Mar , 39-45. 4 Apr, 65-76. 11 Apr 1900.

**16.772.** *Neue Beiträge zur Kenntniss europäischer und exotischer Sphagnumformen* ... (Sonderabdruck aus "Hedwigia" ... 1900). Oct.

*Publ.*: 10 Apr 1900, p. [100]-110. *Copy*: B. – Reprinted and to be cited from Hedwigia 39: [100]-110. 1900.

**16.773.** *Kryptogamenflora der Mark Brandenburg* und angrenzender Gebiete herausgegeben von dem Botanischen Verein der Provinz Brandenburg ... Leipzig (Verlag von Gebrüder Borntraeger) [1902] 1903-1957, 11 vols., Oct. (*Krypt.-Fl. Brandenburg*).

*Authorship*: Gustav Lindau (1866-1923) (see TL-2/3: 23-29) took the initiative towards the compilation of this *Kryptogamenflora* in a meeting of the *Botanischer Verein der Mark Brandenburg* in 1896. (Verh. bot. Ver. Brandenburg [VbVB] 38: ix-x. 1896). The preparation was entrusted to a committee of which Lindau acted as chairman. The other members chosen in 1896 (the committee had the right to co-opt) were: P. Hennings (Berlin), G. Hieronymus (Berlin), F. Ludwig (Greiz), A. Möller (Eberswalde), O. Müller (Berlin) and C. Warnstorf (Neuruppin). Soon after R. Kolkwitz was added as secretary, and P. Sorauer as member (VbVB 38: lxx. 1896). Lindau reported at annual meetings on the progress of the undertaking, see VbVB 41: xlvii (1900) (the first volume, dealing with mosses, was to be compiled by Warnstorf), 42:

xv. (1900), 43: xxi-xxii (composition: lxiv) (1902) (subvention received for travel and illustration), 45: xxiv (1904), 46: xx-xxi (1905), 47: xxiv-xxv. 1906, 49: lvi (composition). 1908 and 52: (34). 1911. For practical purposes we treat the *Flora* under Warnstorf, author of vol. 1. There is no indication that there was an editor-in-chief except that Lindau signed the preface to vol. 1 on behalf of the committee in his capacity as chairman; the authors prepared their manuscripts and the publisher, Gebr. Borntraeger, did the rest.

*Publ.*: 1902-1957. Ten volumes were published between 1902 and 1915 (all in "Lieferungen"); two separately published Lieferungen (Pilze) came out in 1935 and 1938. The volume on Lichens (by Joh. Hillmann) was nearly ready in 1943 but came out only in 1957, edited, amended and completed by Vitus Grummann. No further volumes were published. *Copies*: B, BR, G, MICH, MO, NY.

*Original plan*: *1. Division* Bryophytes: I. Hepaticae, Sphagnaceae. II. Mosses.
*2. Division* Algae: III. Blue and green algae. IV. Characeae, Bacillariaceae.
*3. Division* Fungi: V. Myxomycetes, Schizomycetes, Phycomycetes, Hemibasidii, Protobasidiomycetes VI. Autobasidiomycetes. VII. Lower Ascomycetes, Pyrenomycetes. VIII. Discomycetes, Fungi imperfecti.
*4. Division*: IX. Lichenes.

It should be noted that this scheme was only partly adhered to due to the delay in publishing caused by World Wars I and II.

*1* (*Leber- und Torfmoose*, C. Warnstorf): 1902-1903, p. [i]-xiv, [xv], [1]-481.
*1*: 29 Mar 1902, p. [1]-112.
*2*: 7 Jun 1902, p. 113-288.
*3*: 25 Mar 1903, p. 289-481.

*2* (*Laubmoose*, C. Warnstorf): 1904-1906, p. [i]-xii, [1]-1160.
*1*: 1 Jul 1901, p. [1]-240.
*2*: 18 Oct 1904, p. 241-432.
*3*: 12 Apr 1905, p. 433-672.
*4*: 9 Oct 1905, p. 673-832.
*5*: 18 Apr 1906, p. 833-1160.

*3* (*Algen I* (*Schizophyceen*, *Flagellaten*, *Peridineen*), E. Lemmermann): 1907-1910, p. [i]-x, [(1)]-(29), [1]-712.
*1*: 4 Mar 1907, p. [1]-128.
*2*: 25 Sep 1907, p. 129-304.
*3*: 12 Jun 1908, p. 305-496.
*4*: 15 Jun 1910, p. 497-712, [i]-x, [(1)]-(29).

*4* (*Characeen*, L. Holtz): 1903; remained incomplete.
*1*: 28 Jan 1903, preface, contents, p. [i]-vi, [1]-136.

*5* (*Pilze I*): 1909-1915, p. [i]-viii, [1]-630. *Contents*: *Schizomycetes* by R. Kolkwitz; *Myxobacteriales* by E. Jahn; *Chytridiineae*, *Ancylistineae*, *Monoblepharidineae*, *Saprolegniineae* by M. von Minden.
*1*: 27 Dec 1909, p. [1]-192.
*2*: 20 Apr 1911, p. 193-352.
*3*: 10 Sep 1911, p. 353-496.
*4*: 30 Jan 1912, p. 497-608.
*5*: 30 Jun 1915, p. 609-630.

*5a*(*Pilze III*): 1912-1914, p. [i-iv], [1]-946, [947, contents]. *Contents*: *Uredineen* by H. Klebahn, *Ustilagineen*, *Auriculariineen*, *Tremellineen* by G. Lindau.
*1*: 27 Aug 1912, p. [1]-160.
*2*: 31 Mar 1913, p. 161-400.
*3*: 20 Aug 1913, p. 401-640.
*4*: 1 Dec 1913, p. 641-800.
*5*: 20 Jul 1914, p. 801-946.

*6* (*Pilze*): 1910, p. [1]-192. *Contents*: *Autobasidiomycetes* by W. Herter.
*1*: 30 Nov 1910, p. [1]-192.

*6a* (*Pilze II*): 1 Mai 1935, p. [i]-viii, [1]-264. – *Contents*: *Mucorineae* by H. Zycha. – *Preface*: nothing published between 1915 and 1935; this is the first part of the continuation. In preparation: last part of *Ascomycetes* (W. Kirschstein), *Desmidiaceen* (W. Krieger), *Lichenes* (J. Hillmann), Nachträge z.d. *Moosen* (H. Reimers).

*7* (*Pilze*): 1905, 1911, 1938, p. [1]-448. – *Contents*: *Ascomycetes*, by P. Hennings, G. Lindau, F. Lindner, F. Neger (Heft 1); W. Kirschstein (Hefte 2-3).
*1*: 15 Aug 1905, p. [1]-160.
*2*: 20 Nov 1911, p. 161-304.
*3*: 5 Mai 1938, p. 305-448. – On cover: Editor: O.C. Schmidt; author: W. Kirschstein.
*8* (*Flechten*): 1957, p. [i]-ix, [x], [1]-898, by Johannes Hillmann and Vitus Grummann. Herausgegeben vom Dahlemer Botanischen Verein [successor to Bot. Ver. Prov. Brandenburg]. – The planned volume by W. Krieger on Desmids will not be published because of the death of the author; a supplementary volume on the mosses is being "aimed at".
*9* (*Pilze VII*): 1912-1915, p. [i]-vi, [vii], [1]-962. – *Contents*: *Sphaeropsideae*, *Melanconieae* by H. Diedicke.
*1*: 31 Mai 1912, p. [1]-240.
*2*: 22 Nov 1912, p. 241-416.
*3*: 15 Mar 1914, p. 417-640.
*4*: 15 Sep 1914, p. 641-800.
*5*: 30 Mai 1915, p. 801-962.
*Announcement of project*: G. Lindau et al., Verh. Bot. Ver. Brandenburg 38: [142]-160. 5 Dec 1896 (list of committee members; aims, plans).

**16.774.** *Die europäischen Harpidien.* Eine bryologische Studie ... [Abdruck aus: Beihefte zum Botanischen Centralblatt ... Jena 1903]. Oct.
*Publ.*: Feb 1903 (Hedwigia 9 Mai 1903; Nat. Nov. Mar(1) 1903; ABZ 15 Mar 1903; J. Bot. Mar 1903), cover, p. [388]-430, *pl. 13-14*. *Copies*: B, H. – Reprinted and to be cited from Beih. Bot. Centralbl. 13(4): [388]-430. *pl. 13-14*. 1903.

**16.775.** *Neue europäische und exotische Moose* ... [Abdruck aus: Beihefte zum Botanischen Centralblatt ... Jena 1904]. Oct.
*Publ.*: Feb 1904 (AbZ Mar-Apr 1904), cover, p. [237]-252, *pl. 10-11*. *Copies*: B(2). – Reprinted and to be cited from Beih. Bot. Centralbl. 16(2): [237]-252. 1904.

**16.776.** *Neue Sphagna aus Brasilien* ... Sonderabdruck aus "Beihefte zum Botanischen Centralblatt ..." [1906]. Oct.
*Publ.*: Jul-Aug 1906 (Nat. Nov. Aug(2) 1906; AbZ 15 Sep 1906), p. [128]-139. *Copy*: B. – Reprinted and to be cited from Beih. Bot. Centralbl. 20(2): [128]-139. 1906.

**16.777.** *Vegetationsskizze von Schreiberhau im Riesengebirge* mit besonderer Berücksichtigung der Bryophyten ... Separat-Abdruck aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg .... 1907. Oct.
*Publ.*: 30 Sep 1907, cover, p. [159]-188. *Copy*: B. – Reprinted and to be cited from Verh. Bot. Ver. Prov. Brandenburg 49: [159]-188. 1907.

**16.778.** *Rölls Anträge* betr. Aenderungen und Zusätze zu den internationalen botanischen Regeln von Wien inbezug auf die Nomenclatur der Sphagna ... [Separat-Abdruck aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg ... 1910]. Oct.
*Publ.*: 25 Jun 1910, p. [i, recto of 20], [20]-36, [1]. *Copies*: B, NY. – Reprinted and to be cited from Verh. Bot. Ver. Brandenburg 52(1)(Abh.): [20]-36. 1910. – For Julius Röll (1846-1928) and his *Antr. Nomencl. Sphagna see* TL-2/9391.

**16.779.** *Zur Bryo-Geographie des Russischen Reiches.* Eine Erinnerung an Dr. E. Zickendrath ... Dresden (Verlag von C. Heinrich) [1913]. Oct.
*Publ.*: 10 Mai 1913-10 Dec 1913 (in journal; Nat. Nov. Jan(2) 1914), cover-t.p., p. [1]-300. *Copies*: B-S, H, M, MO. – Reprinted from Hedwigia 53: 184-240. 10 Mai, 241-320. 28 Jun 1913, 54: 22-112. 1 Oct, 112-182. 10 Dec 1913.

**16.780.** *Die europäischen Formen des Genus Dichodontium* Schpr. ... Sonderabdruck aus "Hedwigia" ... 1915. Oct.
*Publ.*: 10 Sep 1915 (in journal), p. 141-153. *Copy*: B. – Reprinted and to be cited from Hedwigia 57: 141-153. 1915.

**16.781.** *Pottia-Studien* als Vorarbeiten zu einer Monographie des Genus "Pottia Ehrh." sens. str. ... Sonderabdruck aus "Hedwigia" ... 1916. Oct.
*Publ.*: 8 Jul and 14 Oct 1916 (in journal; Nat. Nov. Jan(1, 2) 1917), cover, p. 35-152. *Copies*: FH, H. – Reprinted and to be cited from Hedwigia 58: 35-80. 8 Jul, 81-152. 14 Oct 1916.
*Ref.*: Loeske, L., Bot. Centralbl. 134: 332-333. 1917 (rev.).

**16.782.** *Übersicht der europäischen gelapptblättrigen Arten der Gattung Jungermannia* L. p.p. oder Lophozia Dum. .... Sonderabdruck aus "Hedwigia" ... 1918. Oct.
*Publ.*: 15 Mar and 10 Jul 1918 (in journal), p. 54-83. *Copy*: B. – Reprinted and to be cited from Hedwigia 60: 54-80. 15 Mar, 81-83. 10 Jul 1918.

**16.783.** *Über einige Arten aus der Gattung Calypogeia* Raddi sensu Nees .... Sonderabdruck aus "Hedwigia" ... 1920. Oct.
*Publ.*: 17 Mai 1920 (in journal), p. 1-11. *Copy*: B. – Reprinted and to be cited from Hedwigia 62: 1-11. 1920.

**16.784.** *Die Unterfamilie der Scapanioideen* (Spruce 1885) ... Sonderabdruck aus "Hedwigia" ... 1921. Oct.
*Publ.*: 8 Aug and 20 Sep 1921 (in journal), p. 58-116. *Copy*: B. – Reprinted and to be cited from Hedwigia 63: 58-80. 8 Aug 1921, 81-116. 20 Sep 1921.

**Warren, John Byrne Leicester,** 3rd baron de Tabley (1835-1895), British botanist, poet and numismatist; studied at Eton and Christchurch, Oxford, M.A. 1856; called to the bar 1860; residing in London from 1871; succeeded to the title 1887. (*Warren*).

HERBARIUM and TYPES: DBN; other material at BM, HAMU, K, LIV, OXF (and see Kent & Allen 1984).

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 758; Barnhart 3: 461 (b. 26 Apr 1835, d. 22 Nov 1895); BB p. 117; BL 2: 230, 257, 730; BM 5: 2267; Clokie p. 261; CSP 8: 1198, 11: 752, 14: 587; Desmond p. 642; DNB 20: 872-873 (59: 415-416); IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 249; Rehder 5: 903; TL-2/see S. Moore; Tucker 1: 14, 733.

BIOFILE: Anon., Bot. Centralbl. 65: 128. 1896 (d.); Bot. Not. 1896: 44-45 (d.); Brit. Mus. gen. cat. print. books 253: 275-276. 1955; Gard. Chron. 1899(2): 332 (herb. donated by his sister to DBN).
Britten, J., J. Bot. 34: 77-80. 1896 (obit., bibl.).
Duff, M.G., *in* J.B.L. Warren and S. Moore, Fl. Cheshire xi-xiii. 1899 (biogr. not.).
F.A.L., The Naturalist 1896: 49-50 (obit.).
Kent, D.H., Brit. herb. 84. 1957; Hist. Fl. Middlesex 23. 1975.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 267. 1984 (coll.).
Scannell, M.J.P., Watsonia 9(4): 431. 1973 (herb. at DBN).
Stansfield, H., Handb. guide herb. coll. Liverpool 20, 21, 31, 32, 35, 43. 1935.
Walker, H., J.B.L. Warren, Lord de Tabley 1903 (n.v.).
Watson, H.C., Topogr. bot. ed. 2. 561-562. 1883.
Watts, Th., Athenaeum 30 Nov 1895 (obit., literary work).
Wolley-Dod, A.H., Fl. Sussex xlvii. 1937.

EPONYMY: *Warrenia* W. Harvey ex Schmitz et Hauptfleisch (1897) may have been named for Elizabeth Andrew Warren (1786-1864), British phycologist.

**16.785.** *On the Dumetorum group of Rubi in Britain* ... Reprinted from the "Journal of Botany" ... 1870. Oct.
*Publ.*: Mai, Jun 1870 (in journal), p. [1]-15, *pl. 106-107*. *Copy*: HH. – Reprinted and to be cited from J. Bot. 8: 149-154. Mai, 169-176. Jun 1870.

**16.786.** *The flora of Hyde Park* and Kensington Gardens ... London (printed by Taylor and Co., ...) 1871. Oct.

*Publ.*: Aug 1871, p. [1]-14. *Copy*: HH. – Reprinted and to be cited from J. Bot. 9: 227-238. 1871.

**16.787.** *The flora of Cheshire* by the late Lord de Tabley (Hon. H.J. Byrne Leicester Warren, M.A.) edited by Spencer Moore ... London, New York and Bombay (Longmans, Green, and Co. ...) 1899. Oct. (*Fl. Cheshire*).
*Editor*: Spencer le Marchant Moore (1850-1931).
*Publ.*: 1899 (J. Bot. Mar 1899: printing practically completed; Bot. Gaz. 18 Mai 1901; Bot. Centralbl. 31 Mai 1901), p. [i]-cxiv, [cxv], [1]-399, portr., map, err. slip. *Copies*: G, HH, MO, NY. – See BL 2: 230 for follow-up publications.
*Notes on a projected Cheshire flora*: s.l.n.d. [1873], p. [1]-16. *Copy*: HH. – Privately printed.

**Warszewicz, Joseph** Ritter **von Rawicz** (1812-1866), Lithuanian-born (of Polish extraction) gardener and plant collector; with the Berlin Botanical Garden 1840-1844; employed by Messrs Van Houtte, Gent, to collect in St. Thomas and Guatemala 1845; independent collector ib. from 1846, specialicing on living orchids, collecting in Central America; 1850-1851 working with H.G. Reichenbach in Berlin; collecting in South America 1851-1853; from 1854-1866 head curator of the Cracow botanical garden. (*Warsz.*).

HERBARIUM and TYPES: B (mainly destr.; other material in BR, CGE, G, K, KRA, U, W (Reichenbach herb.). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 407; Backer p. 622; Barnhart 3: 461 (d. 31 Dec 1866); BM 1: 412, 5: 2268; Bossert p. 426; Hortus 3: 1206; PR alph., 2026; Rehder 5: 903; Urban-Berl. p. 408; Zander ed. 10, p. 730, ed. 11, p. 804, 833.

BIOFILE: Anon., Bonplandia 1: 119, 155, 203, 229. 1853, 2: 137. 1854, 5: 363. 1857; Bot. Zeit. 2: 656. 1844 (assistant to Ad. Papelen, 11: 928. 1853 (Nov 1852 in Berlin); Flora 37: 15. 1854 (back in Europe; to Krakau), 50: 30. 1867 (d.); Gard. Chron. 1867: 207 (d.); Gartenflora 1: 290. 1852 (end of 1851 in Guayaquil, then to Bolivia and Peru) 2: 32. 1853 (coll. for Roy. Hort. Soc.), 2: 128. 1853 (letter from Paytu, Peru), 2: 320. 1853 (will be back Oct 1853), 2: 352. 1853 (accepts position Krakau), 3: 68. 1854 ("inspector" garden Krakau), 7: 96. 1858 (declined trip to Ceylon), 15: 221. 1860 (rev. Enum. pl.), 16: 95-96. 1867(obit.); Österr. bot. W. 3: 182. 1853 (in Peru), 4: 30. 1854 (to Krakau); Österr. bot. Z. 17: 129. 1867 (d.).
Gaerdt, Belg. hortic. 18: 39-45. 1867 (obit.).
Hemsley, J.B., Biol. centr.-amer. 4: 130-131. 1887.
Hryniewiecki, B., Zarys historji botaniki w polske. Précis de l'histoire de la botanique en Pologne, 17, 39, *pl. 16*. Warszawa 1931.
Lückel, E., Die Orchidee 33: 125-128. 1982.
Orgelbrand, S., Encykl. powszechna 15: 166. 1903.
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Reinikka, M.A., Hist. orchid 189-192. s.d. (biogr. sketch, eponymy, portr.).
Sampolinski, J., Orchid Rev. 71: 213-214. 1963.
Savage, J.M., Proc. Calif. Acad. Sci., ser. 4. 38(14): 273-288. 1970 (collecting in C. Amer., portr.).
Seeman, B., Bonplandia 2: 95-96 (sketch life). 1852 (see also ib. 1: 119, 155. 1853).
Szafer, W., Concise hist. bot. Cracow 46, 61, 62, 63, 64, 65, 66, 68, 70, 86, 97. 1969.
Warszewicz, J., Neue allg. Gartenzeit. 4: 564-565. 1848, 8: 525-526. 1852 (travel notices), 9: 576. 1853 (in Berlin).

EPONYMY: *Warczewiczella* (sic) H.G. Reichenbach (1852); *Warsewitschia* (sic) Anonymus (1849); *Warszewiczia* Klotzsch (1853).

**16.788.** *Catalogus plantarum*, quae in C.R. *horto botanico Cracoviensi* anno 1864 ab erecta C.R. Universitate studiorum Jagellonica quingentesimo. A fundato vero horto octogesimo educantur; secundum systema Endlicherianum ... Cracoviae (Krakow) (typis C.R. Universitatis Jagellonicae) 1864. (Oct. in 4-s). (*Cat. pl. hort. Cracov.*).
*Co-author*: Ignacy Raphaeł Czerwiakowski.

*Publ.*: 1864 (p. xv: 20 Mai 1864), frontisp., p. [i]-xv, [xvi], [1]-470, *1 pl. Copies*: B-S, NY.

**Wartmann, [Friedrich] Bernhard** (1830-1902), Swiss naturalist and museum director at St. Gallen; son of Jakob Wartmann; studied Univ. Zürich 1849-1852; with C. v. Nägeli at Freiburg i.B. 1852-1854; Dr. phil. ib. 1854; with Nägeli to Zürich 1855; habil. ib. 1856; professor of natural history at the "Kantonschule" St. Gallen 1856, rector 1863-1877; president of the St. Gallen naturwissenschaftliche Gesellschaft 1868-1902. (*Wartm.*).

HERBARIUM and TYPES: Unknown. – *Exsiccatae*: (1) Wartmann distributed some of the collections left by R.F. Hohenacker upon his death; see R.F. Hohenacker.
(2) *Schweizerische Kryptogamen*, fasc. 1-18, nos. 1-900, 1862-1882, nos. 1-14 by Wartmann and Bernhard Schenk (1833-1893), 15-18 by Wartmann and G. Winter. – Sets at B (extant), BAS, BERN, BM, BREG, FH, G, H, HAL, M, PC, S, UPS, WRSL. – Reviews of fasc. 1: D.F.L. von Schlechtendal, Bot. Zeit. 20: 135-136. 1862, E. Stizenberger, Flora 45: 221-224. 1862. – A one-page pamphlet signed Nov 1861 by B. Wartmann provides information on subscription (*copy*: G). A printed *Verzeichniss* of cent. 1-5, is treated below (1865). – See also Sayre (1969). – *Letters* to D.F.L. von Schlechtendal at HAL; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 198; Barnhart 3: 461 (b. 8 Dec 1830, d. 3 Jun 1902); BFM 994; Biol.-Dokum. 18: 9768; BL 2: 578-579, 730; BM 5: 2268; CSP 6: 270, 8: 1200, 11: 753, 19: 481; De Toni 1: cxxix, cxxxix, 2: cxx; GR p. 645; Herder p. 89, 126; Jackson p. 216; LS 28369-28370; Morren ed. 10, p. 111; PR 9996-9997; Rehder 5: 903; TL-2/10.736, see R.F. Hohenacker; Tucker 1: 733; Urban-Berl. p. 262; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon., Viertelj.-Schr. Naturf. Ges. Zürich 47(3-4): 440. 1903 (obit.).
Attinger, V. et al., eds., Dict. hist. biogr. Suisse 7: 228. 1933 (biogr. sketch, portr.).
Bächler, E., Jahrb. St. Gall. naturw. Ges. 1901-1902: 1-102. 1903 (obit., portr., bibl.).
Sayre, G., Mem. New York Bot. Gard. 19(1): 54-55. 1969 (Schweiz. Krypt.).
Schröter, C. et al., Zur Erinnerung an Herrn Prof. Dr. B. Wartmann, St. Gallen [1902], 36 p. (obit., portr., bibl., further tributes); Verh. schweiz. naturf. Ges. 85 (Nekrol.): lxvii-lxxxiii. 1903 (obit., bibl.).

COMPOSITE WORKS: (1) Editor *Berichte ü.d. Thätigkeit der St. Gallischen naturwissenschaftlichen Gesellschaft* 1855-1902; director of the St. Gallen natural history museum 1873-1902.
(2) Senior author, with Theodor Schlatter, *Krit. Uebers. Gefässpfl. St. Gallen* 1881-1888, 3 Hefte. – See TL-2/10.736. – Additional copies seen: HH, NY. – Dates of publication: (1) Jun 1881, (2) Nov 1884, (3) Nov-Dec 1888.

EPONYMY: *Wartmannia* J. Mueller Arg. (1865).

**16.789.** *Beiträge zur Anatomie und Entwicklungsgeschichte der Algengattung Lemanea* ... St. Gallen (Scheitlin und Zollikofer) 1854. Qu. (*Beitr. Anat. Entw.-Gesch. Lemanea*).
*Publ.*: 1854 (BSbF after 10 Nov 1854; ÖbW 19 Apr 1855; Flora rd. Apr-Mai 1855), p. [i-iii], [1]-28, *pl. 1-4* (uncol. liths.). *Copies*: B-S, BR, G, NY, PH, US.
*Ref.*: Fürnrohr, A.E., Flora 38: 376-377. 28 Jun 1855 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 13: 197-198. 16 Mar 1855 (rev.).

**16.790.** *Beiträge zur St. Gallischen Volksbotanik* ... Verzeichniss der Dialectnamen, der technischen und arzneilichen Volksanwendung meist einheimischer Pflanzen ... St. Gallen (Druck und Verlag von Scheitlin und Zollikofer) 1861. Oct. (*Beitr. St. Gall. Volksbot.*).
*Publ.*: 1861, p. [i], [1]-43. *Copies*: B-S, MO, NY. – Preprinted or reprinted from Ber. Thätigk. St. Gall. naturw. Ges. 1858-1860: 81-123. 1860 [1861].
*Ed. 2*: 1874, p. [1]-117. *Copies*: HH, NY. – Repr. from Verh. St. Gall. naturw. Ges. 1872-1873, [237]-349. 1874.
*Ref.*: Muller, E., Vierteljahrsschr. naturf. Ges. Zürich 70: 104-121. 1925.

Schlatter, Th., Jahrb. St. Gall. naturw. Ges. 1907: 89-104. 1908 (on Roman plant names in St. Gallen).

**16.791.** *Schweizerische Kryptogamen.* Verzeichniss der Species und Varietäten welche in den Centurien i-v enthalten sind. Alphabetisch zusammengestellt ... St. Gallen (Druck der Zollikofer'schen Offizin) 1865. Oct. (*Schweiz. Krypt.*).
*Publ.*: 1865, p. [1]-11. *Copies*: G, M. – See above under Herbarium and Types for the series of exsiccatae.

**Wartmann, Jakob** (1803-1873), Swiss high school teacher and botanist in St. Gallen; at the St. Gallen Gymnasium 1834-1854; town librarian 1855-1873; founder of the St. Gallen natural history museum (*J. Wartm.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: BL 2: 579, 730; PR 9998-9999, ed. 1: 10981-10982; Rehder 1: 94, 434.

BIOFILE: Attinger, V. et al., eds., Dict. hist. biogr. Suisse 7: 228. 1933.

**16.792.** *St. Gallische Flora* für Anfänger und Freunde der Botanik ... St. Gallen (Druck und Verlag von Scheitlin und Zollikofer) 1847. Oct. (*St. Gall. Fl.*).
*Publ.*: Jun 1847 (p. iv: early Apr 1847; Hinrichs 7-10 Jul 1847; Bot. Zeit. 1 Oct 1847), p. [i]-iv, [1]-267, [268, err.]. *Copies*: B-S, G, HH, NY.
*Note*: Also published *Botanik für die weibliche Jugend*, St. Gallen (id.) 1841, iv, 192 p. (n.v.) (Hinrichs 1-7 Aug 1841).

**Wassner, Ludwig** (1861-1929), German (Bavarian) high school professor and botanist; studied natural sciences in Regensburg and classical philology in München; teacher at Freising until 1890; from then onward teacher at the Humanistic Gymnasium at Passau, as assistant 1890-1892, teacher 1892-1904 and professor 1904-1924. (*Wassner*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Anon., Jubiläumsbericht, Hum. Gymnasium Passau im 350. Schuljahr, Passau 1962, p. 187-189 (biogr. sketch, portr.; b. 1 Mai 1861, d. 6 Dec 1929).

**16.793.** *Flora von Niederbayern* (mit Ausschluss des Juragebietes. Eine Anleitung zum Pflanzenbestimmen für Anfänger ... Passau (M. Waldbauersche Buchhandlung) 1905. Oct. (*Fl. Niederbayern*).
*Publ.*: Mar 1905 (p. [iii*] Mar 1905; Nat. Nov. Apr(2) 1905; Bot. Centralbl. 13 Jun 1905), p. [i*-iii*], [i]-xlviii, [1]-167, [168, err.]. *Copies*: B, M.

**Wastler, Franz** (1837-1936), Austrian high school teacher and botanist at the Staats-Ober-Realschule, Linz. (*Wastler*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 462 (d. 30 Jan 1936).

BIOFILE: Anon., Science ser. 2. 9: 661. 1899 (d.).
Verdoorn, F., ed., Chron. bot. 3: 63. 1937 (d.).

**16.794.** *Die phanerogamen Gefässpflanzen* des Vegetations-Gebietes *von Linz.* (Fortsetzung und Schluss). Nach der analytischen Methode für Anfänger zum Bestimmen eingerichtet. [Linz (Verlag der k.k. Staats-Ober-Realschule) 1881]. Oct. (*Phan.-Gefässpfl. Linz*).
*Publ.*: Jul 1881 (p. 6: Jun 1881; Bot. Zeit. 28 Oct 1881; Nat. Nov. Sep(1) 1881), cover, p. [5]-60. *Copy*: B. – Jahresber. Staats-Ober-Realsch. Linz 33(1880-1881): [5]-60. 1881.
*Preceded by*: *Die Gattungen der phanerogamen Gefässpflanzen* des Vegetationsgebietes *von Linz*, ib. 1877-1878: [64 p.]. 1878 (n.v.).

*Ref.*: Freyn, J.F., Bot. Centralbl. 9(4): 115-116. 1882 (rev.).

**Watanabe, Kiyohiko** (1900-x), Japanese botanist; Dr. phil. Tokyo 1924, college teacher at Hiroshima. (*Watanabe*).

HERBARIUM and TYPES: Material collected by "K. Watanabe", probably not Kiyohiko W., is reported from BAS, GH, K, TI. – Kano Watanabe at Tokyo collected plants in Japan 1886-1897 and distributed these to European and American institutions. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 462; Hirsch p. 316; MW suppl. p. 392.

BIOFILE: Anon., Address book Japanese botanists 46-47. 1951.
Verdoorn, F., ed., Chron. bot. 2: 393. 1935.

**16.795.** *Über eine neue Gattung der Cytinaceae* ... Reprinted from the Botanical Magazine ... Tokyo 1936.
*Publ.*: 20 Dec 1936, cover-t.p., p. [676]-680, [681]. *Copy*: B. – Reprinted and to be cited from Bot. Mag. 50(600): [676]-[681]. 1936. – *Botryocytinus* (Baker fil.) Watanabe.

**16.796.** *Morphologisch-biologische Studien über* die Gattung *Mitrastemon* ... Reprinted from the Journal of Japanese Botany ... Tokyo 1936-1937. Oct.
*Publ.*: Oct 1936-Mar 1937 (in journal), cover-t.p., p. [i], [1]-87, *pl. 1-3* (col.). *Copy*: H (rd. 29 Jun 1937). – Reprinted and to be cited from J. Jap. Bot. 12(9): [603]-618, (10): [698]-711, (11): [759]-773, (12): 848-858. 1936, 13(1): [14]-24, (2): [75]-86, (3): [154]-162. 1937.

**Watelet, [Jean-François] Adolphe** (1811-1879), French teacher, palaeobotanist and mineralogist at Soissons. (*Watelet*).

HERBARIUM and TYPES: Unknown. – Original pencil drawings of the "*Description*" purchased by BM 1880.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 345; Barnhart 3: 462; Herder p. 354; IF p. 737; Jackson p. 185; Langman p. 792; NI 2109; PR 10.001; Quenstedt p. 452 (b. 24 Sep 1811).

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 218: 844-846. 1973.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 229.519. 1980.
Fossé d'Arcosse, Bull. Soc. archéol. hist. sci. Soissons 11: 55-62. 1880 (obit., portr.; b. 24 Sep 1811, d. 25 Dec 1879).
Lefèvre, Th., Mém. Soc. malacol. Belgique 15: xl-xlviii. 1880 (obit., bibl.).
Malinvaud, L.J.E., Table art. orig. Bull. Soc. bot. France 238. 1899.
Zittel, K.A. von, Gesch. Geol. Paläont. 532. 1899.

**16.797.** *Description des plantes fossiles du Bassin de Paris* ... Paris (J.-B. Baillière et fils, ...), Londres (Hipp. Baillière), Madrid (C. Bailly-Baillière), Leipzig (E. Jung Treuttel, ...) [1865]-1866. Qu. (*Descr. pl. foss. Bass. Paris*).
*Publ.*: 1865-1866 (in parts; p. [vi]: Sep 1866).
*Text*: p. [i-vi], [1]-264.
*Atlas*: p. [i-ii], [1]-30, [31, err.], *pl. 1-60* (uncol. liths. Eugénie Watelet).
*Copies*: BR, G, NY. – Lief. 1-2, p. 1-80, *pl. 1-20* were received by Flora before 29 Nov 1865, by BSbF after 15 Sep 1865; livr. 3-4, p. 81-144, *pl. 21-30* were mentioned by BSbF 13 Jun 1866 as of "1865", Q.J.G.S. London mentions livr. 1-5 as of 1865, as received 1 Jan-31 Mar 1866. The original drawings, plus 21 unused drawings, are at BM.

**Waterfall, Umaldy Theodore** (1910-1971), American botanist; MS Univ. Oklahoma 1942; Dr. phil. ib. 1956; high school teacher in Oklahoma City 1934-1944; range ecolo-

gist Soil Conservation Service 1944-1946; instructor in botany Univ. Oklahoma 1946-1949; professor of botany at Oklahoma State University 1949-1971. (*Waterf.*).

HERBARIUM and TYPES: OKLA, OKL, GH (S.W. Texas); further material in ARIZ, DPU, HPC, MO, NY, SMU, TEX, UC, US. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 462; Bossert p. 427; IH 1 (ed. 1): 90, (ed. 2): 114, (ed. 3): 146, (ed. 4): 163, (ed. 5): 175, (ed. 6): 365, (ed. 7): 345; Langman p. 792; Lenley p. 428; PH 209; Roon p. 121.

BIOFILE: Anon., Amer. men Sci. eds. 8-10. 1949-1961; Index Amer. bot. lit. 1886-1966, 4: 461. 1969 (bibl.).
D'Arcy, W.G., Solanaceae Newsletter 1: 5. 1974 (obit. note).
Frodin, D.G., Guide standard floras world no. 172. 1984.
Knobloch, I.W., Pl. coll. N. Mexico 70-71. 1979 (b. 13 Aug 1910, d. 28 Oct 1971); Phytologica Mem. 6: 102. 1983 (coll. Mexico).
McVaugh R., Contr. Univ. Mich. Herb. 9: 313. 1972.
Stanford, J.W., Rhodora 75: 146-149. 1973 (obit., b. 13 Aug 1910, d. 27 Oct 1971, partial list publ.).

NOTE: Outside our period: *Catalogue of the flora of Oklahoma* Stillwater, Okla., 91 p., 1952; *Keys to the flora of Oklahoma* Stillwater 1960, ed. 5, 1972; *A taxonomic study of the genus Physalis in North America north of Mexico*, Rhodora 60: 107-114. 4 Jun 1958, 128-142. 19 Jun 1958, 152-153. 11 Jul 1958.

**Waterhouse, Benjamin** (1754-1846), American physician and naturalist; M.D. Univ. Leiden 1780; practicing physician at Newport 1782; professor of theory and practice of physic Harvard 1783-1812; lecturer in natural history 1788-1809; physician to U.S. Marine Hospital, Charlestown, Mass. 1807-1809; practicing physician again in Cambridge from 1812; introduced vaccine for small pox in U.S. (*Waterhouse*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 463 (b. 4 Mar 1754, d. 2 Oct 1846); BB p. 117; BM 5: 2270; DAB 19: 529-532; Dawson 855-856; Desmond p. 642; Lenley p. 472; ME 1: 238, 3: 673; PR 10002, d. 1: 10986; Rehder 1: 85; Tucker 1: 733.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 253: 613-614. 1965; Natl. Cycl. Amer. biogr. 9: 254. 1899; Who was who Amer., Hist. vol. 565. 1963.
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*Publ.*: 4-24 Jul 1811 (p. viii: 4 Jul 1811; 24 Jul 1811 copy sent by W. to J.E. Smith, letter at LINN), p. [i]-xiv, [15]-263. *Copies*: HH, MICH, NY, PH.

**Waters, Campbell Easter** (1872-1955), American botanist and chemist; A.B. Hopkins Univ. 1895; Dr. phil. 1899; professor of chemistry and physics Connecticut Agricultural College 1901; assistant in chemistry, Johns Hopkins 1901-1904; chemist

with the United States National Bureau of Standards 1904-1942, from 1937-1942 as assistant chief of its Division of chemistry. (*Waters*).

HERBARIUM and TYPES: US (orig., fewer than 50 sheets). – Other material at AFS, GRO.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 463 (b. 14 Sep 1872); Bossert p. 427; LS 28381; Rehder 4: 523.

BIOFILE: Anon., Chem. Engin. News 33(35): 3605. 1955 (obit. note); Index Amer. bot. litt. 1886-1966. 4: 462. 1969; Who's who in America 4-25. 1906-1949; Who was who America 5: 759. 1969-1973.
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**16.799.** *Ferns.* A manual for the northeastern states with analytical keys on the stalks and on the fructification ... New York (Henry Holt and Company) 1903. (*Ferns*).
*Publ.*: Aug 1903 (fide note in 1911 reprint; p. [iv]: Aug 1903; Torreya rev. 19 Nov 1903; Hedwigia 14 Oct 1906), frontisp., p. [i]-xi, 1-362. *Copies*: HH, US, USDA.
*Reprint*: 1911, p. [i]-xi, 1-362. *Copy*: HH.

**Watson** [recte: Beatson], **Alexander** (1759-1833), Scottish soldier, governor of St. Helena 1808-1813. (*Beatson*).

HERBARIUM and TYPES: Unknown.

NOTE: The inclusion of Alexander "Watson" and his *Flora S^ta^ Helenica*, St. Helena (printed by J. Boyd) 1825 in some bibliographies is an error for Alexander Beatson (see TL-2/1: 155) and his *Tracts relative to the Island of St. Helena*, which contains an appendix 1, *An alphabetical list of plants* seen by Dr Roxburgh growing on the island of St. Helena in 1813-1814. Turrill (1949) has shown that the anonymous St. Helena pamphlet of 1825 is a reprint of Roxburgh's list (TL-2/9723). The pagination of the *Flora S^ta^ Helenica* is [i*], [i]-v, [vi], [1]-20. *Copies*: G, HH, K. – The copy at G has a handwritten note on the title-page "From Brigadier General Alexander Watson ..."
*Ref.*: Turrill, W.B., Kew Bull. 1948: 358-362. 1949 (survey lit. bot. St. Helena; on identity of Alexander "Watson").

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 464; BB p. 318; Herder p. 219; Jackson p. 353; PR 10.004, ed. 1: 10.988.

**Watson, Elba Emanuel** (1871-1936), American high school teacher and botanist; BL Univ. Mich. 1895, AM 1918; teacher in schools in Michigan, New York and Germany between 1895-1916; assistant in botany Univ. Michigan 1917-1919; id. Univ. of Illinois 1919. (*E. Wats.*).

HERBARIUM and TYPES: MSC. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 464 (b. 11 Mai 1871, d. 27 Sep 1936); IH 1 (ed. 6): 365, (ed. 7): 345; NW p. 61.

BIOFILE: Anon., Science ser. 2. 84: 344. 1936 (obit. not.); Index Amer. bot. lit. 1886-1966. 4: 464. 1969.

**16.800.** *The genus Heliocarpus* ... New York 1923. Oct.
*Publ.*: 16 Mar 1923 (cover-t.p., so dated), cover-t.p., p. 109-128. *Copies*: HH, US. –

Reprinted and to be cited from Bull. Torrey bot. Club 50: 109-128. 1923.
*Note*: Watson's *Contributions to a monograph of the genus Helianthus* was published in Pap. Mich. Acad. Sci. 9: 305-475, *pl. 47-86.* 1929.

**Watson, Hewett Cottrell** (1804-1881), British botanist and phrenologist of independent means; studied medicine at Edinburgh 1828-1832 without taking a degree; from 1833 living at Thames Ditton near London; collected in the Azores in 1843; published on phrenology and on evolution in plants; from 1859 mainly dedicating himself to the distribution of British plants. (*H. Wats.*).

HERBARIUM and TYPES: K (British herb.); early herbarium sent to F. v. Mueller at Melbourne (not traced). Other material in AK, AWH, B (mainly destr.), CGE, DBN, E, FI, HAMU, LIV, MANCH, NMW, OXF, PH, U, WAR. – The European collection was presented to Owen's College, Manchester (and see Kent & Allen, 1984). – *Letters*: see F.N. Egerton in DSB; e.g. 96 letters to C.C. Babington at CGE, to F.A.W. Miquel in U, to various botanists at G, K, UPS-UB. – *Manuscript* records for *Cybele britannica* at BM.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 292; Barnhart 3: 464; BB p. 318; BL 1: 87, 323, 2: 225, 730; BM 5: 2272; Bossert p. 427; Clokie p. 262; CSP 6: 280-281, 8: 1202, 12: 771; Desmond p. 643-644 (b. 9 Mai 1804, d. 27 Jul 1881); DNB 20: 918-920 (60: 7-9); DSB 14: 189-191 (F.N. Egerton); Frank 3 (Anh.): 111; GR p. 418; Herder p. 168, 171; IF p. 737; IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 230, 231; LS 28385; PH 1-B; PR 10.005-10.011, ed. 1: 10.989-10.993; Rehder 5: 904; TL-2/2056, 10.133, 11.610, see F.J. Hanbury, W.W. Newbould, J.T.I.B. Syme; Tucker 1: 131, 733; Urban-Berl. p. 408; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Allen, D.E., Proc. Bot. Soc. Brit. Isl. 6(2): 110-112. 1965 (H.C. Watson and the origin of exchange clubs; letter by W. in Mag. nat. Hist., ed. Loudon, Oct 1829; proposal to organize exchange); Victorian fern craze 17, 26, 1969; The naturalist in Britain 1976 (see index); The Botanists 232 [index; numerous entries; important account] 1986; Soc. bibl. nat. hist., Newsletter 4: 5. 1979 (96 letters at CGE), 7: 5. 1980 (copy of will), 8: 6. 1980 (only 100 copies publ. of Topogr. bot., ed. 1; not for sale; all copies presented to colleagues), 17: 4. 1983, 17: 5. Feb 1983 (folio issues of ed. 1 and 2 of London catalogue); Watsonia 14(4): 408-409. Aug 1983 (London catalogue publication dates and authors).

Anon., Bonplandia 3: 34. 1855 (cogn. Leopoldina: Ramond), 6: 54. 1858 (id.); Bot. Centralbl. 7: 254-255. 1881, 11: 468. 1882 (herb. to K); Brit. Mus. gen. cat. print. books 253: 795-796. 1965; Bull. Soc. bot. France 28 (bibl.): 140. 1881 (d.); J. Bot. 11: 96. 1873 (request facts additional to Comp. Cybele brit.); J. Bot. 20: 64. 1882 (new ed. of *Topogr. bot.* in preparation; mss. submitted to K with his herbarium), 29: 190. 1891 (W.'s European herb. at Manchester Museum Owens College); Naturalist 4: 264-269. 1839 (autobiogr.); Nat. Nov. 3: 135. 1881 (d.); Trans. bot. Soc. Edinburgh 14: 300-302. 1883 (obit.).

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HANDWRITING: Mon. biol. Canar. 4: pl. (item 43). 1973.

EPONYMY: (*journal*): *Watsonia*, journal of the botanical society of the British Isles. Arbroath, Scotland. Vol. 1-x, 1949-1950-x.

**16.801.** *Outlines of the geographical distribution of British plants*; belonging to the division of vasculares or cotyledones ... Edinburgh (printed for private distribution) [1832]. Duod. (*Outlines geogr. distr. Brit. pl.*).
*Publ.*: 1832, p. [i]-xvi, [1]-334. *Copies*: USDA. – *Edinburgh issue*: s.d. [1832], p. [i]-xvi, [1]-334. *Copy*: PH.

**16.802.** *The new botanist's guide* to the localities of the rare plants of Britain; on the plan of Turner and Dilwyn's Botanist's guide ... London (printed for Longman, Rees, Orme, Brown, Green, and Longman, ...) 1835-1837. 2 vols. Duod. (*Bot. guide*).
*1* (*England and Wales*): 1835 (p. vi: Oct 1835), p. [i]-vi, [vii, err.], [1]-402, [403, index], [404, colo.].
*2* (*Scotland and adjacent isles*): 1837 (p. xxiii: Mar 1837; intended to be publ. 31 Mar 1837; whole impression destroyed by fire, reprinted later in 1837), p. [i-ii, general t.p. for the two volumes], [407]-674, [i]-xxiv, preface to the whole work to be bound in front of vol. 1, except for p. [i], t.p. vol. 2, which became p. [405].
*Copies*: G, HH, LIV, NY.

**16.803.** *Remarks on the geographical distribution of British plants*; chiefly in connection with latitude, elevation, and climate ... London (printed for Longman, Rees, Orme, Brown, Green, and Longman ...) 1835. Duod. (*Rem. geogr. distr. Brit. pl.*).
*Publ.*: 1835 (p. x: Nov 1835), p. [i]-xvi, [1]-288. *Copies*: B-S, G, HH, LIV, MO, NY.
*Other ed.*: 1843 (p. [ii]: Jan 1843; rd. before Jul 1843 by Flora), p. [i]-iv, [1]-259, [260]. *Copies*: B-S, BR, G, NY. – *The geographical distribution of British plants* ... third edition. Part I. London (printed for the author) 1843. The "third" edition may refer to the *Outlines* as ed. 1 and to the "*Remarks*" as ed. 2. *Review*: W.J. Hooker, London, J. Bot. 2: 154-156 [presumably March] 1843.
*German transl.*: (of 1835 ed.): 1837 (p. xv: 24 Dec 1836; rev. R. Schneider, Flora 20(2) Lit. 6: 95-110. 28 Jul 1837), p. [i]-xx, [1]-261, [262,-263, err.], [264, colo.]. *Copies*: B-S, MO, NY. – *Bemerkungen über die geographische Vertheilung und Verbreitung der Gewächse Grossbritanniens*, ... Uebersetzt und mit Beilagen und Anmerkungen versehen von C.F. Beilschmied ... Breslau (in Commission bei Jos. Max & Comp.) 1837. Oct. (*Bemerk. geogr. Verth. Gew. Gr.-Brit.*).

**16.804.** *The London catalogue of British plants*. Published under the direction of the Botanical Society of London, adapted for an index catalogue to British herbaria; for marking desiderata in exchanges of specimens; for indicating the species of local districts; and for a guide to botanical collectors, by showing the comparative rarity or frequency of the several species ... London (William Pamplin, ...) 1844. Oct. (*London cat. Brit. pl.*).
*Ed.* [*1*]: 1844, cover-t.p., p. [1]-16, explanation on other p. of cover. *Copies*: BR, G, GOET. – *Author*: H.C. Watson. *Other issues*: see Simpson (1960) and Allen (1983) for other issues of ed. 1; see Allen (1983-1) for a description of the single folio sheet edition "produced expressly for use in packing up specimens to be sent to the Society's Foreign members". (4 p.) – *Salix* by J.E. Leefe; *Rubus* by E. Lees.

*Ed. 2*: 1847 (t.p date 1848 but publ. by Dec 1847 fide Phytologist 2: 1051. Dec 1847), cover-t.p., p. [1]-16. *Copy*: BM. – *Authors*: H.C. Watson and G.E. Dennes. *Other issue*: folio single sheets as for ed. 1 (4 p.). (Allen 1983-1).

*Ed. 3*: 1850, p. [i, cover-t.p.], iv, [1]-16. *Copy*: HU. – *Authors*: as ed. 2.

*Ed. 4*: 1853. *Authors*: H.C. Watson and J.T. Syme (afterwards Boswell).

*Ed. 5*: 1857 (Kew J. Bot. Dec 1857), cover-t.p., p. [1]-16. *Copies*: HH, NY. – *Authors*: as ed. 4.

*Ed. 6*: Jul 1867 (J. Bot. Jul 1867), cover-t.p., p. [1]-32. *Copies*: G, HH, MO. – *The London catalogue* ... adapted for marking desiderata in exchanges of specimens; for an index catalogue to British herbaria; for indicating the species of local districts; for a guide to collectors, and by showing the comparative rarity or frequency of the several species ... London (Robert Hardwicke, ...) 1867. Oct. – *Author*: H.C. Watson.

*Ed. 7*: Jul 1874 (HH copy has a note: "rec$^{d}$ July 28th 1874"; J. Bot. Feb 1874 in preparation, Sep 1874: publ.), cover-t.p., p. [1]-32. *Copy*: HH. – *Author*: H.C. Watson. – London (Robert Hardwicke, ...) 1874.

*Ed. 7* (*other issue*): 1877, cover-t.p., p. [1]-32. *Copies*: HH, NY. – London (Hardwicke & Bogue, ...) 1877.

*Ed. 7* (*other issue*): Feb 1881 (J. Bot. 1881), cover-t.p., p. [1]-32. *Copy*: NY. – London (George Bell & Sons, ...) s.d.

*Ed. 7* (*other issue*) as "*Ed. 8*": 1883 (J. Bot. Sep 1883; erroneously as ed. 8, mistake corrected), cover-t.p., p. [1]-32. *Copy*: BM.

*Ed. 8*: 1886 (p. v: Mai 1886), cover-t.p., p. [1]-39. *Copies*: BR, DBN, HH, M, NY. – *Author*: F.J. Hanbury. – *The London catalogue* ... Part I. Containing the British Phaenogamia, Filices, Equisetaceae, Lycopodiaceae, Selaginellaceae, Marsiliaceae, and Characeae ... London (George Bell & Sons, ...) s.d. – See also Robert Turnbull, *Index of British plants* according to the London catalogue (eighth edition), London 1889, 98 p.

*Ed. 8* (*reissue with corrections*): 1890 (p. 5: Mai 1890), cover-t.p., p. [1]-39. *Copy*: NY. – Title-page: as 1886 issue, s.d., but "Eighth edition. (With corrections)." – *Author*: F.J. Hanbury.

*Ed. 9*: Mai 1895 (p. 7: Mar 1895; J. Bot. Feb 1895: in the press, Apr 1894: on the eve of publ., Jun 1894 reviewed), p. [1]-50. *Copies*: BR, DBN, HH, NY. – *Author*: F.J. Hanbury. – See C.G. Druce, *Notes on the ninth edition of the London catalogue of British plants*, Ann. Scott. nat. Hist. 1896: 38-53. Jan 1896.

*Ed. 10*: Mar 1908 (p. 2: Feb 1908; Nat. Nov. Jul(2) 1908; J. Bot. Mar 1908), p. [i-ii], [1]-48, text on cover p. [i-iii]. *Copies*: DBN, HH, NY. – *Author*: F.J. Hanbury.

*Ed. 11*: 1925 (p. 4: Jun 1925; J. Bot. Oct 1895), p. [i], [1]-55, [56-58]. *Copies*: DBN, HH, LIV, NY, U, USDA. – *Authors*: F.J. Hanbury and C.E. Salmon (coll.). – See reviews by E.G. Baker, A.J. Wilmott and H.W. Pugsley in J. Bot. 63: 297-304. Oct. 1925.

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*Ref.*: Allen, D.E., Watsonia 14(4): 408-409. 1983 (dates; authors).
Hooker, W.J., London J. Bot. 3: 288-295. 1844 (rev. ed. 1).
Simpson, N.D., Bibl. index Brit. flora 1960.

**16.805.** *Cybele britannica*; or british plants and their geographical relations ... London (Published by Longman and Co. ...) 1847-1849, 4 vols. Oct. (in 4-s). (*Cybele brit.*).

*1*: 1847 (London J. Bot. rev. Mai-Jun 1847; Flora 21 Nov 1847), p. [i]-iv, [1]-472.

*2*: 1849 (Kew J. Bot. rev. Dec 1849), p. [i]-iv, [1]-480.

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*4*: 1859 (p. 527: Apr 1859; rev. Alph. de Candolle in Arch. Sci. Bibl. Univ. Jul 1859; rev. D.F.L. von Schlechtendal, Bot. Zeit. 16 Sep 1859), p. [i]-v, [vii, err.], [1]-527.

*Copies*: B, G, H-UB, HH, MO, NY, USDA.

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**16.806.** *Compendium of the Cybele britannica*; or, British plants in their geographical relations ... Thames Ditton (printed for private distribution) 1868-1870. 3 parts. Oct. (in 4-s). (*Comp. Cybele brit.*).
*Publ.*: in three parts, 1868-1870. The parts were provided with a temporary t.p. and other preface matter. For final binding a definitive t.p. and preface were published with the third part. Some copies are bound with the final t.p. and final preface, omitting the temporary material. *Copies*: BR, G, H-UB, HH, USDA.
*1*: 1868 (rev. J. Bot. Dec 1868), map, p. [i]-vii, [1]-200.
*2*: Nov 1869 (p. iv: Nov 1869; rev. J. Bot. Dec 1869), p. [i]-iv, 201-424.
*3*: Oct 1870 (rev. J. Bot. Dec 1870; id. Sep 1820; "...will be shortly published"; rd. Nov 1870: publ.), p. [i-iv, t.p. and preface material for part 3], [425]-651, [i]-vi, [vii, cent.] final t.p. and preface.

**16.807.** *Supplement to the Compendium of Cybele britannica*; shewing the distribution of British plants through the thirty-eight sub-provinces being also a second supplement to Cybele britannica (the original work in four volumes) ... Thames Ditton (printed for private distribution only) 1872. Oct. (in 4-s). (*Supplement Comp. Cybele brit.*).
*Publ.*: 1872, map, p. [i]-iv, [1]-213, [215, note]. *Copies*: BR, G, USDA.
*Ref.*: Trimen, H., J. Bot. 11: 25-27. Jan 1873 (rev.).

**16.808.** *Topographical botany*. Being local and personal records towards shewing the distribution of British plants traced through the 112 counties and vice-counties of England and Scotland ... Thames Ditton (printed for private distribution only) 1873-1874. 2 parts. Oct. (*Topogr. bot.*).
*Ed. 1*: 1873-1874, in 2 parts. *Copy*: LIV.
*1*: 1873 (pref. Jul 1873; J. Bot. Oct 1873), p. [i]-iv, [1]-367.
*2*: 1874, p. [i-iii], [369]-740.
*Ed. 2*: Jul 1883 (p. v: Mai 1883; J. Bot. Aug 1883; Bot. Zeit. 28 Sep 1883; Bot. Centralbl. 3-7 Sep 1883; Nat. Nov. Aug(2) 1883), p. [i]-xlvii, [1]-612, map. *Copies*: BR, G, H-UB, HH, LIV, MO, NY, USDA. – Second edition, corrected and enlarged. London (Bernard Quaritch, ...) 1883. Edited by J.G. Baker and W.W. Newbould.
*Supplement*: Arthur Bennett, Supplement to "Topographical botany", ed. 2, J. Bot. 43, suppl. 1905, 113 p.
*Second supplement*: A. Bennett, C.E. Salmon, and J.R. Matthews. *Second supplement to* Watson's "*Topographical botany*", J. Bot. 67 (suppl.): 1-56. Mai 1929, 68 (bibl.): 57-99. Jan 1930. – TL-2/10.133.
*Further supplementary papers*: see BL 2: 225.
*Ref.*: Druce, G.C., Comital flora British Isles xix-xxi. 1932 (notes on authorship of records in supplements).
Jackson, B.D., J. Bot. 21: 363-370. 1883 (local catalogues used in preparing *Topogr. bot.*).

**Watson, John Forbes** (1827-1892), Scottish physician and economic botanist; M.D. Aberdeen 1847; assistant surgeon Bombay medical service 1850; lecturer in physiology at Grant medical college; on sick leave to England 1853; reporter on economic products of India, keeper of the India office Museum 1858-1879. (*J.F. Wats.*).

HERBARIUM and TYPES: Unknown. – *Letters* at K.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 464; BM 5: 2272; Desmond p. 644 (d. 27 Jul 1892); DNB 60: 15-16 (20: 926-927); Herder p. 89; Jackson p. 11, 385, 388; LS 28386; PR 10012; Rehder 5: 904; Tucker 1: 733-734.

BIOFILE: Allibone, S.A., Crit. dict. Engl. lit. 3: 2605. 1888.
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Buckland, C.E., Dict. Indian biogr. 442-443. 1906.
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**16.809.** *Index to the native and scientific names* of *Indian* and other easern *economic plants* and products. Officially prepared under the authority of the secretary of state for India in council .... London (Trübner & Co. ...) 1868. Oct. (*Index Indian econ. pl.*).
*Publ.*: 1868 (p. iv: Nov 1866; J. Bot. rev. Jul 1868; Flora 20 Jun 1868), p. [i]-viii, [1]-637, [639, colo.]. *Copies*: BR, G, HH, MO, PH.

**16.810.** Vienna Universal Exhibition, 1873. *A classified and descriptive catalogue of the Indian Department* ... London (W.H. Allen & Co., ...) 1873. Qu. (*Classif. cat. Ind. Dept.*).
*Publ.*: 1873, p. [i]-viii, [1]-246. *Copy*: M.

**Watson, Peter William** (1761-1830), British botanist and tradesman of Hull; founded the Hull botanic garden 1812; F.L.S. 1824. (*P. Wats.*).

HERBARIUM and TYPES: HUL (destroyed Jun 1943).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 465; BB p. 318; BM 5: 2272; Desmond p. 644 (b. Aug 1761, d. 1 Sep 1830); DNB 60: 22 (20: 933); Herder p. 484; Hortus 3: 1206; Jackson p. 244; NI 2110; PR 10013, ed. 1: 10994; Rehder 5: 904; Tucker 1: 734; Zander ed. 10, p. 730, ed. 11, p. 833.

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**16.811.** *Dendrologia britannica*, or trees and shrubs that will live in the open air of Britain throughout the year. A work useful to proprietors and possessors of estates, in selecting subjects for planting woods, parks and shrubberies; and also to all persons who cultivate trees and shrubs ... London (printed for the author; ...) [1823]-1825, 2 vols. Qu. (*Dendrol. brit.*).
*1*: 1823-1825 (? 1824; the book was presumably published in 24 parts between 1823 and 1825; no further details available to us; both title pages dated 1825; plates dated 1: 1 Jan 1823, these dates probably indicate composition and dates of fascicles), p. [i*-ii*], [i]-lxxii, [i, abbr.], *pl. 1-80* with text (col. liths. by J. Hart, E.D. Smith, Mrs. F. Travis).
*2*: 1823-1825 (1824?-1825; see above), p. [i-ii], *pl. 81-172* (id.), [i-ii, indexes], 1-30 [31, err.], [33-39, indexes].
*Copies*: BR, G, HH, MO, NY.

**Watson, Sereno** (1826-1892), American botanist; trained as a physician; secretary of the Planter's Insurance Company in Greensboro, Alabama 1856-1861; employed with the Journal of Education at Hartford, Conn. 1861-1866; to California 1867; joined C. King's Geological Exploration of the fortieth parallel as a volunteer 1867; official botanist of the expedition 1868; studied his collections at Yale 1869 and Harvard 1870-1874; assistant with A. Gray at the Gray Herbarium 1874-1888; curator ib. 1888-1892; travelled in N.W. United States 1880, Guatemala 1885 and Europe 1886. (*S. Wats.*).

HERBARIUM and TYPES: US (2000; orig. King's survey) and GH; further material in B (mainly destr.), FH (James), FI, K, NY, YU. – *Manuscripts*; note-books: GH; also at NY and US. – *Letters* e.g. at FH, G, GH, NY (see Lenley), UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 465; BJI 1: 62; BL 2: 86, 152, 153, 160, 161; BM 1: 711, 5: 2273, 8: 1400; Bossert p. 427; CSP 8: 1203, 11: 759-760, 19: 490-491; DAB 19: 547-548 (b. 1 Dec 1826, d. 9 Mar 1892) (B.L. Robinson); DSB 14: 192-193 (E.N. Shor); Ewan ed. 1: 43, 154, 201, 332-334, 335, ed. 2: 233; Herder p. 227, 228, 283, 342, 435; Hortus 3: 1206; IF p. 737; IH 1 (ed. 3): 41, (ed. 6): 365, (ed. 7): 345; Jackson p. 357, 358, 509; Langman p. 792-793; Lenley p. 429, 471; ME 3: 159, 163; Morren ed. 2, p. 37, ed. 10, p. 122; NAF 28B(2): 364-365; NI 2111; NW p. 61; PH 132, 164, 567, 906; PR 10669; Rehder 5: 904-905; RS p. 147; SIA see indexes; TL-1/431, 436; TL-2/2124,

2132, 4421, see indexes; Tucker 1: 14, 734-735, 2: xl, 3: 327; Urban-Berl. p. 272; Zander ed. 10, p. 730, ed. 11, p. 833.

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(3) With A. Gray and B.L. Robinson, *Syn. fl. N. Amer.* 1(1). 1895, see TL-2/2132.
(4) Co-author A. Gray, *Manual* ed. 6. 1890, see TL-2/2124.

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NOTE: Watson graduated from Yale college in the class of 1847 together with H.G. Jesup and J.D. Smith.

EPONYMY: *Watsonamra* O. Kuntze (1891).

**16.812.** *United States geological expolration* [sic] of the *fortieth parallel.* Clarence King, geologist-in-charge [vol. 5] *Botany.* By Sereno Watson, aided by prof. Daniel C. Eaton,

and others ... Washington (Government Printing Office) 1871. Qu. (*Botany* [*fortieth parallel*]).
*Collaborators*: D.C. Eaton, A. Gray, J. Torrey, G. Engelmann, S.T. Olney (*Carex*), J.W. Robbins (*Potamogeton*), T.P. James (musci), E. Tuckerman (lichenes).
*Publ.*: Sep-Dec 1871 (p. liii: 26 Aug 1871; rev. A. Gray Amer. J. Sci. Arts Jan 1872; Bull. Torrey bot. Club Jan 1872), p. [i]-liii, map, [1]-525, *pl. 1-40* (uncol. liths.; J.H. Emerton). *Copies*: B, HH, L, NY, PH, US; IDC 7638. – Prof. Papers Engineer Dept. U.S. Army no. 18, vol. 5.
*Ref.*: True, G.H., Mentzelia 2: 11-13. 1976.

**16.813.** United States geological exploration of the 40th parallel. Clarence King, U.S. Geologist, in charge. *List of plants collected in Nevada and Utah 1867-'69*; numbered as distributed. Sereno Watson, collector [Washington, D.C., ... 1871]. Oct. (*List pl. Nevada Utah*).
*Publ.*: 1871 (p. 43: Mai 1871), p. [1]-43. *Copies*: FH, G, HH, MO, NY, US(2).

**16.814.** *Contributions to American botany.* I.-XVIII. ... 1873-1891. Oct.
*1*: Mai 1873, p. [1]-7. Reprinted and to be cited from Amer. Natural. 7(5): 299-303. 1873. – *New plants of Northern Arizona.*
*2*: Nov 1873 (Proc. for 13 Mai 1873, t.p. reprint: "issued September 1873", corrected by hand to "issued Nov. 1873"), p. [517]-618. – Id. Proc. Amer. Acad. Arts Sci. 8: [517]-618. 1873. – *Revisions of ... Lupinus, Potentilla, and Oenothera.*
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*5*: Apr 1875, p. [i], 333-350. – Id. 10: 333-350. 1875. – *Revision of the genus Ceanothus.*
*6*: Feb 1876, p. [i], 105-148. – Id. 11: 105-148. 1876. – Three papers.
*7*: 13 Jun 1877 (date on cover err. "June 13, 1876"), p. [i], 246-278. – Id. 12: 246-278. 1877. – *Descriptions of new species of plants.*
*8*: Feb 1878, p. [1]-3. – Reprinted and to be cited from Amer. J. Sci. 15: 135-136. 1878. – *The poplars of North America.*
*9*: Jul 1879, p. [i], 213-303, [i-viii, index]. – Preprinted or reprinted from Proc. Amer. Acad. Arts Sci. 14: 213-303. 1879. – Two papers.
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*11*: 15 Aug 1883, p. [i], 96-196, [1]-3, index. – Id. 18: 96-196. – Two papers.
*12*: 21 Feb 1885, p. [i], 324-378, [i]-ii, index. – Id. 20: 324-378. 1885. – Two papers.
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*14*: 25 Jun 1887, p. [i], 396-481, [i]-ii, index. – Id. 22: 396-481. 1887. – Two papers. – *Erratum to Contribution xiv*: Bot. Gaz. 13: 322. 1888.
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*15*: 29 Mai 1888, p. [i], 249-287, [i, index]. – Id. 23: 249-287. 1888. – Three papers.
*16*: 31 Jan 1889, p. [i], 36-86, [1]-2, index. – Id. 24: 36-87. 1889. – Two papers.
*17*: 25 Sep 1890, p. [i], 124-163, [i, index]. – Id. 25: 124-163. 1890. – Two papers.
*18*: 31 Jul 1891, p. [i], 124-163, [i, index]. – Id. 26: 124-163. 1891.
*Copies*: B, BR, FH, G, HH, M, MO, NY, PH, US.

**16.815.** (Uniform with the publications of the) Geological Survey of California. J.D. Whitney, State Geologist. *Botany* ... Cambridge, Mass. (Welch, Bigelow, & Co., ...) [vol. 2: John Wilson and son, ...]) 1876-1880. 2 vols. Qu. (*Bot. California*).
*Authorship*: vol. 1, Polypetalae by W.H. Brewer and S. Watson; Gamopetalae by Asa Gray; vol. 2: S. Watson with contributions by e.g. M.S. Bebb, G. Engelmann, W. Boott, G. Thurber, D.C. Eaton.
*1*: Mai-Jun 1876 (p. ix: 15 Apr 1876; Amer. J. Sci. rev. by A. Gray Jul 1876 "has ... made its appearance", inf. J.W. Landon; Bot. Zeit. 20 Oct 1876; J. Bot. 1876; Bull. Torrey bot. Club Jul-Aug 1876), p. [i]-xx, [1]-628.
*2*: Jul-Dec 1880 (p. viii: 1 Jul 1880; Bull. Torrey bot. Club Feb 1881; Amer. J. Sci. Mar 1881; Bot. Zeit. 25 Mar 1881; J. Bot. Mar 1881; Nat. Nov. Jan(2) 1881), p. [i]-xv, [1]-559.
*Copies*: BR, G, HH, K, MO, NY, US.

*Ed. 2 of vol. 1*: 1880 (issued simultaneously with vol. 2; minor corrections; major additions in vol. 2), p. [i]-xx, [1]-628. *Copies*: BR, MO.
*Note* (1) Referred to in other papers as *Botany of California*.
(2) J.W. Landon informs us that preprints of the contributions by Michael Schuck Bebb (2: 82-90) were available on 10 Jul 1879; id. by G. Engelmann (2: 93-99, 104-107) on 1 Oct 1879.

**16.816.** Smithsonian miscellaneous collections. 258. *Bibliographical index to North American botany*; or citations of authorities for all the recorded indigenous and naturalized species of the flora of North America, with a chronological arrangement of the synonymy ...Part i. Polypetalae. Washington (published by the Smithsonian Institution) March 1878. Oct. †. (*Bibl. index N. Amer. bot.*).
*Publ.*: Mar 1878 (t.p.), p. [i]-vi, [vii], [1]-476. *Copies*: B-S, FAS, FH, G, HH, M, MICH, MO, NY, PH(2), U, US(2), USDA; IDC 8861.

**Watson, Walter** (1872-1960), British school teacher and lichenologist; biology master Sexeys, Bruton, Somerset 1902, at Taunton School 1908-1939; D.Sc. London 1918. (*Wa. Wats.*).

HERBARIUM and TYPES: BM (lichens), Taunton Museum (TTN) (flowering pl.), E (bryoph.), OXF (*Sphagnum*).

BIBLIOGRAPHY and BIOGRAPHY: BB p. 318; BJI 2: 187; BL 2: 264, 730; Clokie p. 262; Desmond p. 644 (b. 30 Mar 1872, d. 10 Jan 1960); GR 384-385, cat. p. 73; Hawksworth p. 186; Kelly p. 237; LS suppl. 29375-29388; SBC p. 134.

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**16.817.** *New rare or critical lichens* ... Extracted from the Journal of Botany ... 1917. Oct.
*Publ.*: Apr, Aug, Nov 1917, p. [107]-111, [204]-210, [310]-316. *Copies*: Almborn, B. – Reprinted and to be cited from J. Bot. 55: 107-111. Apr, 204-210, Aug, 310-316, Nov 1917.

**16.818.** *Cryptogamic vegetation of the sand-dunes of the west coast of England* ... Cambridge (at the University Press) 1918. Oct.
*Publ.*: Jun 1918, cover-t.p., p. [i, recto of [126]], [126]-143. *Copies*: Almborn, B(2), Stevenson.– Reprinted and to be cited from J. Ecol. 6(2): 126-143. 1918.

**16.819.** *Sphagna*, their habitats, adaptations and associates ... Annals of Botany, ... 1918. Oct.
*Publ.*: Oct 1918, cover-t.p., p. [535]-551. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 32: [535]-551. 1918.

**16.820.** *The bryophytes and lichens of calcareous soil* ... Cambridge (at the University Press) 1918. Oct.
*Publ.*: Nov 1918, cover-t.p., p. [189]-198. *Copies*: Almborn, B(3), Stevenson. – Reprinted and to be cited from J. Ecol. 6(3, 4): [189]-198. 1918.

**16.821.** *The bryophytes and lichens of fresh water* ... Cambridge (at the University Press) 1919. Oct.

*Publ.*: Mai 1919, cover-t.p., p. [71]-83. *Copies*: B, Stevenson. – Reprinted and to be cited from J. Ecol. 7(1-2): [71]-83. 1919.

**16.822.** *The Bryophytes and Lichens of arctic-alpine vegetation* ... Cambridge (at the University Press) 1925. Oct.
*Publ.*: Jan 1925, cover-t.p., p. [1]-26. *Copies*: Almborn, B(2), Stevenson. – Reprinted and to be cited from J. Ecol. 13(1): [1]-26. 1925.

**16.823.** *The classification of lichens* ... London (Cambridge University Press) [1930]. Oct.
*Publ.*: 1930 (Nat. Nov. Aug 1930), cover-t.p., p. [1]-68. *Copies*: Almborn, B, FH, Stevenson. – Reprinted and to be cited from The New Phytologist 18(1, 2): 1-68. 1929 [1930] see J. Bot. 68: 317. Oct 1930.

**16.824.** *The bryophytes and lichens of moorland* ... Cambridge (at the University Press) 1932. Oct.
*Publ.*: Aug 1932, cover-t.p., p. [i, recto of 284], [284]-313. *Copy*: B. – Reprinted and to be cited from J. Ecol. 20(2): [284]-313. 1932.

**16.825.** *Notes on lichens, mainly from Orkney*, in the herbarium of the Royal Botanic Garden, Edinburgh, ... Trans. Bot. Soc. Edin. ... 1935. Oct.
*Publ.*: 1935, cover, p. [505]-520. *Copy*: B. – Reprinted and to be cited from Trans. Bot. Soc. Edinburgh 31(4): [505]-520. 1935.

**16.826.** *The Bryophytes and Lichens of British woods* ... Cambridge (at the University Press), 1936, 2 parts. Oct.
*1* (*Beechwoods*): Feb 1936, cover-t.p., p. [i], [139]-161. – Reprinted and to be cited from J. Ecol. 24(1): [139]-161. 1936.
*2* (*Other woodland types*): Aug 1936, cover-t.p., p. [i, recto of [446]], [446]-478. – Id. 24(2):[446]-478. 1936.
*Copies*: Almborn, B.

**Watson,** Sir **William** (1715-1787), British physician, physicist and botanist; MD Halle & Wittenberg 1757; physician to the Foundling Hospital, London 1762-1787. ((*Sir*) *Wm. Wats.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 581; Ainsworth p. 25, 185, 311, 348; Backer p. 622; Barnhart 3: 465; Bossert p. 428; Dawson p. 858-859; Desmond p. 645 (b. 3 Apr 1715, d. 10 Mai 1787); DNB 60: 45-47 (20: 956-958); Dryander 3: see index; DSB 14: 193-196 (J.L. Heilbron, q.v. for prim. and sec. bibl.); LS 28388-28396; PR 10397, alph.; Rehder 5: 905; SO add. 638; TL-2/see T. Velley; Tucker 1: 735.

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EPONYMY: *Watsonia* P. Miller (1758, *nom. cons.*); *Watsonia* Boehmer (1760).

**Watson, William** (of Kew) (1858-1925), British gardener and botanist; Kew gardens

1879, asst. curator 1886; curator of the Royal Botanic Gardens Kew 1901-1922. (*Wm. Wats.* (*Kew*)).

HERBARIUM and TYPES: K.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 622; Barnhart 3: 465 (b. 13 Mar 1858, d. 30 Jan 1825); BB p. 318-319; BM 5: 2273; CSP 19: 491; Desmond p. 645; Hortus 3: 1206; Lenley p. 429; LS 28387, 40.437; MW p. 525; NI 2111n; TL-2/12.981; Tucker 1: 735; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 253: 886. 1965; Bull. misc. Inf. Kew 1901: 169 (app. curator), 1922: 174 (retirement), 1925: 41 (d.), 94-96 (obit.); Gard. Chron. 1887(2): 137, 1892(1): 812, 813, 1925(1): 135 (obit., portr.); Hedwigia 65: (195). 1925 (d.); J. Bot. 60: 280. 1922 (retirement), 63: 85. 1925 (d.); J. Kew Guild 1923: 160, 1925: 342, 1926: 394, 422-425; Nature 115: 271-272. 1925; Nat. Nov. 23: 539. 1901 (curator Kew); Österr. bot. Z. 51: 447. 1901.
Corbett, J., Gard. Chron. 1925(1): 102.
Fletcher, H.R., Story R. Hort. Soc. 225, 287-288, 299. 1969.
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Moore, F.W., Gard. Chron. 1922(2): 30 (appreciation, portr.).
Nelmes, E. & W. Cuthbertson, Curtis's Bot. Mag. dedic. 307-308, portr. 1932.
Watson, W., Gard. Chron. ser. 3. 2: 271-272, 331-332, 429-430, 519-520. 1887 ("A month at the Cape").

**16.827.** *Cactus culture* for amateurs: being descriptions of the various cactuses grown in this country, with full and practical instructions for their successful cultivation ... London (L. Upcott Gill, ...) [1889]. Oct. (*Cactus cult.*).
*Ed.* [*1*]: 1889 (p. [v]: Jan 1889; Bot. Zeit. 31 Mai 1889; Nat. Nov. Mar(2) 1889), p. [i-ii], frontisp., p. [iii-vii], [1]-246, [247]. *Copies*: HH, MO, NY.
*Ed.* [*2*]: 1899 (p. [v]: Apr 1899; Bot. Zeit. 1 Aug 1899; Nat. Nov. Aug(1) 1899), p. [i-ii], frontisp., [i-vii], [1]-270. *Copies*: MO, NY.
*Ed. 3*: n.v. (1903?).
*Ed. 4*: 1920, p. [i-ii], frontisp., [i-vii], [1]-135, *5 pl. Copy*: NY.
*Ed. 5*: 1935, p. [i-ii], frontisp., p. [iii-vii], [1]-135, *5 pl. Copy*: BR.

**16.828.** *Orchids*: their culture and management. With descriptions of all the kinds in general cultivation ... London (L. Upcott Gill, ...) 1890. Oct. (*Orchids*).
*Co-author*: William [Jackson] Bean (1863-1947).
*Ed.* [*1*]: 1889-1890 (Bot. Zeit. 30 Aug 1889, part 1, published in 12 parts, 12: Jun 1890), p. [i]-xi, [1]-554, *12 pl. Copies*: BR, HH, MO.
*Ed. 2*: 1895 (Bot. Zeit. 1 Nov 1895; Nat. Nov. Sep(1) 1895), p. [i-xi], [1]-554, *12 pl. Copy*: BR (incompl.).
*Ed. 3*: 1903 (Bot. Zeit. 16 Oct 1903; Nat. Nov. Sep(1) 1903), p. [i-ii], frontisp., [iii-xi], [1]-559, [560, colo.], *20 pl. Copies*: BR, MO. – Reviewed by H.J. Chapman.

**16.829.** *Rhododendrons & Azaleas* ... London (J.C. & E.C Jack ...) [1911]. Oct. (*Rhododendr. Azal.*).
*Publ.*: 1911 (Bot. Centralbl. 28 Nov 1911; Nat. Nov. Sep(2) 1911), p. [i]-xi, [1]-116, *pl. 1-8. Copies*: B-G, MO.

**Watt, David Allan Poe** (1830-1917), British-born Canadian naturalist at Montreal. (*D. Watt*).

HERBARIUM and TYPES: MO; some further material at BM, E, K. – *Letters* at G, GH, NY (Barnhart corr.), UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 465 (d. 13 Dec 1917); CSP 8: 1203, 11: 760;

GR p. 419; Hortus 3: 1206; IF p. 137, suppl. 3: 218; Jackson p. 366; LS 28397; Morren ed. 10, p. 133; PH 132, 164; Tucker 1: 735.

BIOFILE: Maxon, W.R., Proc. Biol. Soc. Washington 34: 111-113. 1921 ("a neglected fern paper" by Watt).

**16.830.** *Botanical notes* extracted from the Canadian Naturalist ... 1869.
*Publ.*: Sep 1869, p. [1]-16. *Copy*: FH. – Reprinted and to be cited from Canad. Natural. ser. 2. 4: 357-370. 1869.

**Watt,** Sir **George** (1851-1930), British economic botanist; MB Glasgow 1872; professor of botany, Calcutta University 1873-1884; scientific assistant secretary Supreme Gvt. Secretariat, India 1884; commissioner for India Colonial Exhibition London 1885-1886; Reporter on Economic products Gvt. India 1887-1903; on special duty in London 1904-1908; retired from Indian service 1906; president Richmond Athenaeum 1907-1908; visited San Thomé 1912. (*G. Watt*).

HERBARIUM and TYPES: E (private herb., ca. 20.000); further material in A, B (mainly destr.), BM (São Tomé), CAL, CGE, DBN, GLAM, K (260 *Gossypium* and Indian material), M, MO (São Tomé), OXF. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 465; BJI 1: 62; BM 5: 2273; Bossert p. 428; Clokie p. 262; Desmond p. 645 (b. 24 Apr 1851, d. 2 Apr 1930); Herder p. 214, 317; Hortus 3: 1206; Jackson p. 58, 387; LS 28398-28401, 40439; Morren ed. 10, p. 144; MW p. 525; Rehder 5: 905; TL-2/13.121, see E. Thurston; Tucker 1: 735, 2: xl; Urban-Berl. p. 408; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 253: 912. 1965; J. Bot. 68: 149-150. 1930 (obit.); Who's who (London) 1900-1930; Who was who (London) 1929-1940, 1423-1424.
Balfour, I.H., Bull. misc. Inf. Kew 1930: 328-330 (obit.).
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. isl. 138.49. 1980.
Buckland, C.E., Dict. Indian biogr. 443. 1906.
Burkill, I.H., Proc. Linn. Soc. London 142: 226-229. 1931 (obit.); Chapt. hist. bot. India 58, 147, 148, 187, 198. 1965.
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Lowden, R.M., Taxon, Index pers. names vols. 1-30. 778. 1985.
Sayre, G., Mem. New York Bot. Gard. 19(3): 410. 1975.
Stebbing, E.P., Nature 125: 677-678. 1930 (obit.).

EPONYMY: *Wattia* S.H. Mamay (1967) was named for A.D. Watt of the U.S. Geological Survey.

COMPOSITE WORKS: Editor, *The agricultural Ledger*, Calcutta, 1892-1903.

**16.831.** *A dictionary of the economic products of India* ... Calcutta (printed by the superintendent of Government printing, India) 1885-1893. Oct. 6 vols. (in 9). (*Dict. econ. prod. India*).
*Authorship*: "Assisted by numerous contributors".
*1*: 1885 (p. v: 1 Jul 1885), p. [i]-v, [i]-xxxiii, [1]-559. *Copy*: MO.
*1* (*reissue*): 1889 (p. xi: 1 Jan 1889), p. [i]-xxxiii, [1]-559.
*2*: 1889, p. [i-ii], [1]-689.
*3*: 1890 (p. iv: Jul 1890), p. [i]-iv, [1]-534. – London (W.H. Allen & Co., ...), Calcutta (Office superintendent ...).
*4*: 1890, p. [i-ii], [1]-643.
*5*: 1891 (p. [iii]: Jun 1891), p. [i-iii], [1]-676.
*6*(*1*): 1892 (p. iv: 6 Aug 1892), p. [i]-iv, [1]-594.
*6*(*2*): 1893, p. [i], [1]-687.
*6*(*3*): 1893, p. [i], [1]-479.
*6*(*4*): 1893, p. [i-ii], [1]-375.

*Copies*: 1 (reissue) and 2-6(4), index: G(1-5), HH, MO (2-6(4)), NY; IDC 7322.
*Index*: 1896, p. [i-iii], [1]-165.
*Ref.*: Chakravarthy, R.S., Econ. Bot. 29: 31-38. 1975 (Watt's Dictionary: a landmark ...; Dictionary updated in *Wealth of India* 1948-1973).

**16.832.** *The wild and cultivated cotton plants of the world.* A revision of the genus Gossypium framed primarily with the object of aiding planters and investigators who may contemplate the systematic improvement of the cotton staple ... London, New York, Bombay, and Calcutta (Longmans, Green, and Co. ...) 1907. Oct. (*Wild. cult. cotton*).
*Publ.*: 1907 (p. x: Jul 1907; NY rd. Dec 1907; Nat. Nov. Jan(2) 1908), p. [i], frontisp. [= *pl. 1*], [iii]-xiv, [1]-406, *pl. 2-53*. *Copies*: B-S, BR, G, HH, NY, PH, WAG; IDC 7323.

**16.833.** *The commercial products of India* being an abridgment of "The dictionary of the economic products of India" ... London (John Murray, ...) 1908. Oct. (*Commerc. prod. India*).
*Publ.*: 1908 (p. viii: Jul 1908), p. [i]-viii, [1]-1189, [1190, colo.]. *Copies*: HH, MO, NY.
*Facsimile reprint*: 1966, Delhi (Today & Tomorrow).

**Watt, John Mitchell** (1892-1980), South African botanist, physician and pharmacologist; studied at Edinburgh (Dr. phil. 1916) and München universities; served in the Royal Army Medical Corps in the Middle East (World War I) and in the S. African Medical Corps (World War II); professor of pharmacology and therapeutics Univ. Witwatersrand 1921-1957; in retirement lecturing in Plymouth, England and Demonstrator, Dept. Physiology, Univ. Queensland, Brisbane, Australia. (*J.M. Watt*).

HERBARIUM and TYPES: PRE, J.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 465; BFM 2886; BL 1: 54, 323.

BIOFILE: Bullock, A.A., Bibl. S. Afr. bot. 127. 1978.
Guillarmod, A.J., Fl. Lesotho 54, 65-66. 1971.
Gunn, M. & L.E. Codd, Bot. explor. S. Afr. 371. 1981 (biogr. sketch, coll., portr., b. 1 Dec 1892, d. 23 Apr 1980).

**16.834.** *The medicinal and poisonous plants of Southern Africa* being an account of their medicinal uses, chemical composition, pharmacological effects and toxicology in man and animal ... Edinburgh (E. & S. Livingstone ...) 1932. Oct. (*Med. poison. pl. S. Afr.*).
*Co-author*: Maria Gerdina Breyer-Brandwijk.
*Publ.*: 1932 (J. Bot. rev. Nov 1932; Kew Bull. rev. 2 Dec 1933), p. [i-ii], frontisp., [iii]-xx, [1]-314, *25 pl. Copies*: HH, USDA.
*Preliminary publ.*: S. Afr. J. Sci. 25: 227-236. Dec 1928, *The present position of our knowledge of S. African medicinal and poisonous plants.*
*Note*: Also: *The medicinal and poisonous plants of Southern and Eastern Africa*, Edinburgh-London, 1962, p. [i]-xii, [1]-1457. *Copy*: B. Peterson (actually a greatly enlarged second ed. of the above).

**Watts, William Walter** (1856-1920), British-born Australian clergyman and botanist; studied at New College, London, in training for the Congregational Church; ordained 1882; served at Stratford-on-Avon 1882-1886; to Australia (New South Wales) 1887; pastor of the Congregational Church at Milton, Brisbane 1887-1893, in New Zealand 1893-1894; minister at Orange N.S.W. (1894?-) 1895; ordained Presbyterian minister 1896; served at Ballina 1896-1903, Young 1904-1907, Gladesville-Ryde 1910-1916, ultimately in Wycheproof; studied the mosses of N.S.W. (*Watts*).

HERBARIUM and TYPES: NSW (12.000); other material at BM, G, H, S, SYD. – *Letters*: 61 letters to Brotherus in H-UB; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 466 (b. 5 Oct 1856, d. 20 Sep 1920); BB p.

319; BM 8: 1401; Bossert p. 428; Desmond p. 647; GR p. 419; HR; IF suppl. 3: 218; LS 28405; SBC p. 134.

BIOFILE: Lowden, R.M., Taxon, Index pers. names vols. 1-30. 778. 1985.
Maiden, J.H., Extracts report of director botanic gardens, ... New South Wales for 1919: 9. 1920 (Watts herb. to NSW), for 1920: 5. 1922 (obit. not.).
Nangle, J., J. Proc. R. Soc. N.S.W. 55: 3-4. 1921 (see also p. 169).
Ramsay, H.P., Taxon 29(4): 455-469. 1980 (major biogr. treatment; bibl. see refs., mss., eponymy, collecting areas, portr.).
Sayre, G., Bryologist 80: 520. 1977 (coll.).
Willis, J., Vict. Natural. 66: 105-106. 1949; Muelleria 1: 57. 1955.

COMPOSITE WORKS: Ferns, mosses and hepatics, *in* Anon., Handbook for New South Wales, Sydney 1914, p. 446-452.

**16.835.** *Census muscorum australiensium.* A classified catalogue of the frondose mosses of Australia and Tasmania, collated from available publications and herbaria records ... Proceedings Linnean Society of New South Wales supplement 1902, 1905. Oct. (*Census musc. austral.*).
*Co-author*: Thomas Whitelegge (b. 1850).
*1*: 16 Dec 1902 (cover; submitted 8 Mai 1902; Nat. Nov. Feb(2) 1903), p. [1]-90. – Issued as Proc. Linn. Soc. N.S.W. 23(3). Suppl.: 1-90. 1902.
*2*: Mai 1906 (p. 163: 10 Apr 1906; Nat. Nov. Jun(2) 1906), p. [91]-163. – Issued id. 30(4) suppl.: 91-163. 1906 [for 1905].
*Copies*: FH, H.

**16.836.** *The Sphagna of Australia and Tasmania* ... From the Proceedings of the Linnean Society of New South Wales ... 1912. Oct.
*Publ.*: 13 Dec 1912 (date on cover reprint), cover-t.p., p. [383]-389. *Copy*: B. – Reprinted and to be cited from Proc. Linn. Soc. N.S.W. 37(2): [383]-389. 1912.

**Watzel, Kajetán** [Cajetan] (1812-1885), Bohemian physician and botanist at Böhmisch Leipa (Lípa). (*Watzel*).

HERBARIUM and TYPES: Some material in PR.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 466 (d. 29 Mai 1885); BM 5: 2274; Futak-Domin p. 649; Klásterský p. 200 (b. 4 Aug 1812); Maiwald p. 164, 165, 235, 236, 238; PR 10014-10015; Rehder 5: 906.

**16.837.** *Die im Horizonte von Böhm.-Leipa vorkommenden Moose und Gefäss-Cryptogamen* ... [Programm Ober-Realschule Böhmisch-Leipa 1874]. Oct.
*Publ.*: 1874, p. [1]-23. *Copy*: B. – Preceded by *Vegetations-Beobachtungen im Horizonte von Böhm. Leipa*, 71 p., ib. 1854.

**16.838.** *Die phanerogame Flora des Gebietes von B.-Leipa* [Böhm.-Leipa (Druck von Josef Hamann) 1877]. Oct. (in 4-s).
*Publ.*: 1877 (p. [1]-54. *Copies*: B, GOET, HH. – Published in 14. Jahresber. Communal-Oberrealschule Böhm.-Leipa 1876-1877: 1-54. 1877.

**Watzl, Bruno** (1886-x), Austrian botanist; Dr. phil. Wien 1909 (student of Richard Wettstein); professor at the Bundesgymnasium Wien XIX. (*Watzl*).

HERBARIUM and TYPES: WU; *Veronica* material at W.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 466 (b. 11 Jul 1886); BFM 911, 912; BJI 2: 187; BM 5: 2274.

BIOFILE: Janchen, E., Richard Wettstein 190. 1933.

Schmid, B. & C. Thesing, Biol.-Kalend. 340. 1914.
Verdoorn, F., ed:, Chron. bot. 6: 310. 1941.

**16.839.** *Veronica prostata* L., Teucrium L. und austriaca L. Nebst einem Anhang über deren nächste Verwandte ... Jena (Verlag von Gustav Fischer) 1910. Qu. (*Veronica prostata*).
*Publ.*: 16 Jul 1910, p. [i-ii], [1]-94, *pl. 1-14* (uncol.). *Copies*: B, BR, G, L. – Issued as Abh. Zool. bot. Ges. Wien 5(5). 1910.

**Waugh, Frank Albert** (1869-1947), American horticulturist; B.S. Kansas State Coll. 1891, B.S. 1893; assistant horticulturist Kansas State College 1891; professor of horticulture Oklahoma Agr. Mech. College 1893-1895; id. Vermont 1895-1902; at Massachusetts State College as professor of horticulture and landscape gardening 1902-1939; emeritus professor id. 1939-1947. (*Waugh*).

HERBARIUM and TYPES: US (Oklahoma).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 466 (b. 8 Jul 1869); Bossert p. 428; CSP 19: 494; Hortus 3: 1206; LS 25996, 28406-28408, 40443; MW p. 525; Rehder 5: 906; Tucker 1: 735, 3: 327.

BIOFILE: Anon., Amer. men Sci. eds. 1-8. 1906-1949; Brit. Mus. gen. cat. print. books 254: 19-20. 1965; Index Amer. bot. lit. 1886-1966. 4: 466. 1969; Natl. Cycl. Amer. biogr. 33: 187-188. 1947 (d. 20 Mar 1943); Who was who Amer. 2: 561. 1950 (d. 20 Mar 1943 sic).

**16.840.** *Notes on horticultural nomenclature.* Some suggestions for the nurseryman, fruit grower, gardener, seed grower, plant breeder and student of horticulture ... New York (Published by American Gardening ...) 1898. (*Not. hort. nomencl.*).
*Publ.*: 1898 (p. 1: 1 Sep 1898), p. [i], [1]-26. *Copy*: G.

**16.841.** *Conspectus of genus Lilium* ... Chicago (The University of Chicago Press) 1899. Oct.
*Publ.*: Mai, Jun 1899, cover-t.p., p. 235-254, 340-360. *Copy*: G. – Reprinted and to be cited from Bot. Gaz. 27: 235-254. Mai, 340-360. Jun 1899.

**Wawra, Heinrich, Ritter von Fernsee** (1831-1887), Moravian-Austrian physician and botanist; studied medicine at Vienna University 1849-1856; physician with the Austrian navy 1856-1878; collecting on various journeys, e.g. to Brazil, Luanda (Benguela) and S. Africa 1857-1858, to Brazil 1859-1860; on the "Novara" to Mexico 1864-1865; on the "Donau" around the world via eastern Asia and the Pacific 1868-1871; in North America 1872-1873, returning via Hawaii, Australia, Indonesia, to Brazil 1879; ennobled 1873. (*Wawra*).

HERBARIUM and TYPES: W; other material at B (mainly destr.), BP, BR, BRNM, DPU, G, LE, M, NY, TUR. – *Original plates* Reise Brasilien 1859-1860 (1, 2a, 2b, 3-104) in W. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 272-276 (E. Wunschmann); Barnhart 3: 466 (b. 2 Feb 1831, d. 24 Mai 1887); Biol-Dokum. 18: 9786-9787; BJI 1: 62; BM 5: 2275; Bossert p. 428; Bret. p. 942; CSP 6: 284, 8: 1204, 11: 761, 12: 772, 19: 494; Futak-Domin p. 649; GR p. 80; Herder p. 219, 228, 286; Hortus 3: 1206; IF p. 737; Klásterský p. 200; LS 28409; Maiwald p. 250; Morren ed. 2, p. 14, ed. 10, p. 31; MW p. 525; NI 2112-2113; PR 4843, 5968, 10019-10020; Rehder 5: 906; SK 1: 562-563, 5: cccxxxi; TL-1/1389; TL-2/3938, 5624, see G. Beck; Tucker 1: 735; WU 50: 10-15; Urban-Berl. p. 408; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon., Bonplandia 6: 323. 1858; Bot. Not. 1888: 46 (d.); Bot. Zeit. 22: 140. 1864 (Brazilian decoration), 45: 527. 1887 (d.); Brit. Mus. gen. cat. print. books 254: 42. 1965; Flora 51: 304. 1868 (chief-physician exp. E. Asia), 54: 368. 1871 (decorat-

ion, returns from journey around the world), 70: 274. 1887 (d.); Magy. Növen. Lap. 13: 90-92. 1890; Nat. Nov. 9: 168. 1887 (d.); Österr. bot. Z. 14: 63-64. 1864 (prospectus on his work on the 1859-1860 journey to Brazil), 15: 328. 1865 (returned from Mexico), 29: 68. 1879 (on Trapp 1878, see below), 37: 261. 1887 (d.).
Beck, G., Wiener illustr. Gart.-Zeit. 12: 318-323. 1887 (obit., list publ.).
Dolezal, H., Friedrich Welwitsch 62, 72, 214, 226-227. 1974.
Elvert, Chr. d', Zur Geschichte Pflege Naturwiss. Mähren Schlesien 252, 254, 301. 1868.
Gunn, M. & L.E. Codd, Bot. Expl. S. Afr. 371. 1981.
Hertel, H., Mitt. Bot. München 16: 451. 1980 (on lichens Brazil in M).
Hirsch, A., ed., Biogr. Lex. hervorr. Ärzte ed. 3. 5: 862. 1962.
Knapp, J.A., Flora 70: 387-396. 1887 (obit., bibl.).
Oborny, A., Verh. naturf. Ver. Brünn 21(2): 15, 16. 1882.
Skofitz, A., Österr. bot. Z. 17: 1-7. 1867 (biogr. sketch); Ann. Bot. 1: 412-413. 1888 (obit. not. bibl.).
Trapp, M., Dr. Heinrich Ritter Wawra von Fernsee ... Eine Lebens-Skizze, Brünn 1878, 43 p. (Reprinted with addenda from Not.-Bl. hist. stat. Sect. k.k. mähr.-schles. Ges. Beförd. Ackerbaues Natur-Landesk. 10, 1878).
Urban, I., Fl. bras. 1(1): 134-136, 20. 1906 (details on Brazilian journeys; see lit., itin.).
Wawra, H., Österr. bot. Z. 21: 358-362. 1871 ("Erdumseglung S.M. Fregatte "Donau", list of coll., itin.); Les Broméliacées brésiliennes 1-47. 1881 (autobiogr.).
Wittrock, V.B., Acta Horti Berg. 3(2): 86. 1903.

COMPOSITE WORKS: (1) Co-editor, J. Peyritsch, *Aroid. maximil.* 1879, TL-2/7808.
(2) *Ternstroemiaceae*, *in* C.F.P. von Martius, *Fl. bras.* 12(1): 261-334, *pl. 52-68.* 1 Apr 1886, TL-2/5538.
(3) *Ternstroemiaceae*, *in* E. Warming, *Symbolae* 32: 29-30. 8 Mai 1890, TL-2/16.709.

EPONYMY: *Neowawraea* J.F. Rock (1913).

**16.842.** *Sertum benguelense.* Aufzählung und Beschreibung der auf der Expeditionsfahrt S^r^. M. Corvette "Carolina" an der Küste von Benguela von Dr. H. Wawra gesammelten Pflanzen ... Wien (aus der k.k. Hof- und Staatsdruckerei ...) 1860. Oct. (*Sert. Benguel.*).
*Co-author*: Johann Joseph Peyritsch (1835-1889), see TL-2/4: 216-217.
*Publ.*: Jan-Mai (fide Schlechtendal (1860); read 4 Nov 1859), p. [1]-46. *Copies*: B, BR, G, HH, NY; IDC 5801. – Reprinted and to be cited from S.B. Akad Wiss., nat.-math. Cl. Wien 38(25): 543-586.
*Ref.*: Exell, A.W., J. Bot. 65: 18. 1927.
Schlechtendal, D.F.L. von, Bot. Zeit. 18: 200. 1 Jun 1860.

**16.843.** *Neue Pflanzenarten* gesammelt auf der transatlantischen Expedition Sr. k. Hoheit des durchlauchtigsten Herrn Erzherzogs Ferdinand Maximilian von Dr. H. Wawra und Franz Maly, beschrieben von Dr. Heinrich Wawra ... Separatabdruck aus der Österr. botanischen Zeitschrift ... 1862-1863. Oct.
[*1*]: Jun 1862, p. [1]-7. – Reprinted and to be cited from Österr. bot. Z. 12: 169-175. 1862.
[*2*]: Jul 1862, p. [1]-6. – Id. 12: 207-212. 1862.
[*3*]: Aug 1862, p. [1]-6. – Id. 12: 237-242. 1862.
[*4*]: Sep 1862, p. [1]-2. – Id. 12: 273-274. 1862. – Possibly preprinted because reprint stated to be taken from "Nr. 8. 1862".
[*5*]: Nov 1862, p. [1]-5. – Id. 12: 345-349. 1862.
[*6*]: Dec 1862, p. [1]-5. – Id. 1: 382-385. 1862.
[*7*]: Jan 1863, p. [1]-3. – Id. 13: 7-10. Jan 1863. – Possibly preprinted because reprint stated to be taken from "Nr. 12. 1862", text dated 16 Dec 1862.
[*8*]: Mar 1863, p. [1]-3. – Id. 13: 87-90. 1863.
[*9*]: Apr 1863, p. [1]-4. – Id. 13: 108-111. 1863.
[*10*]: Mai 1862, p. [1]-4. – Id. 13: 142-145. 1863.
[*11*]: Jul 1862, p. [1]-10. – Id. 13: 218-227. 1863.
*Copy*: NY.

**16.844.** *Botanische Ergebnisse* der Reise seiner Majestät des Kaisers von Mexico Maxim-

ilian I. nach Brasilien (1859-60). Auf allerhöchst dessen Anordnung beschrieben und herausgegeben von ... Wien (Druck und Verlag von Carl Gerold's Sohn) 1866. Fol. (*Bot. Ergebn.*).

*Publ.*: Aug 1866 (p. xvi: Mar 1866; just publ. J. Bot. 1 Oct 1866; BSbF Jan 1867; Flora 10 Sep 1866), p. [i*-iii*], [i]-xvi, [1]-234 [i: second t.p.], [iii, index], *pl. 1-104* (liths. Jos. Seboth; *1-2* col.). *Copies*: B, BR, HH, MICH, MO, PH, US.

*Ref.*: Anon., Flora 49: 497-506. 1866 (rev.).
Regel, F., Gartenflora 16: 87-90. Mar 1867 (rev.).
Wawra, H., Österr. bot. Z. 14: 63-64. 1864 (rev. of prospectus (not seen by us) "Botanische Ausbeute ..."; Flora 49: 497-506. 22 Dec 1866 (abstract).

**16.845.** *Beiträge zur Flora der hawai'schen Inseln* ... [Flora 55-58, 1872-1875]. Oct.

*Publ.*: 1872-1875, p. [1]-158. *Copies*: BISH, NY. – Reprinted and to be cited from Flora 55: 513-517. 21 Nov, 529-533. 1 Dec, 554-560. 11 Dec, 562-569. 21 Dec 1872; 56: 7-11. 1 Jan, 30-32. 11 Jan, 44-48. 21 Jan, 58-63. 1 Feb, 76-80. 11 Feb, 107-111. 1 Mar, 137-142. 21 Mar, 157-160. 1 Apr, 168-176. 11 Apr 1873; 57: 257-265. 11 Jun, 273-278. 21 Jun, 294-300. 1 Jul, 321-331. 21 Jul, 362-368. 11 Aug, 521-527. 21 Nov, 540-543. 1 Dec, 545-549. 11 Dec, 562-569. 21 Dec 1874; 58: 145-150. 1 Apr, 171-176. 11 Apr, 184-192. 21 Apr, 225-232. 21 Mai, 241-252. 1 Jun, 285-288. 21 Jun, 417-428. 21 Sep, 433-440. 1 Oct 1875.

**16.846.** *Les Broméliacées brésiliennes* découvertes en 1879 pendant le voyage des Princes Auguste et Ferdinand de Saxe-Coburg et décrites par M. le D^r^ Henri Wawra de Fernsée, précédé d'une notice biographique et d'une relation de ses voyages par MM. Éd. Morren et H. Fonsny. Liège (Boverie, ...) 1881. Oct. (*Bromél. brés.*).

*Publ.*: Dec 1881 (p. vii: 20 Dec 1881), p. [i]-vii, [1]-47 (biogr.), [48]-76 (Bromél.). *Copies*: B-G, G, HH. – Issued as an appendix with independent pagination to Bull. Féd. Soc. Hort., Liège 1880 (1881).

*Original publ.*: *Die Bromeliaceen-Ausbeute* von der Reise der Prinzen August und Ferdinand von Sachsen-Coburg nach Brasilien 1879, *in* Österr. bot. Z. 30: 69-73. Feb, 111-118. Apr, 148-151. Mai, 182-187. Jun, 218-225. Jul 1880.

*Notice biographique* (p. [1]-47) consists of a translation of W.'s autobiography in Notizenblatt der historisch-statistischen Sektion der Kaiserlich-königlichen Gesellschaft zur Beförderung des Ackerbaues der Natur und Landeskunde 1878, no. 10, and of a translation of *Reise ihrer königlichen Hoheiten der Prinzen August und Ferdinand von Sachsen-Coburg nach Brasilien*, Österr. bot. Z. 31: 83-90. Mar, 116-122. Apr 1881. Translator: H. Fonsny.

**16.847.** *Itinera principum S. Coburgi.* Die botanische Ausbeute von den Reisen ihrer Hoheiten der Prinzen von Sachsen-Coburg-Gotha. I. Reise der Prinzen Philipp und August um die Welt (1872-1873). II. Reise der Prinzen August und Ferdinand nach Brasilien beschrieben von D^r^ Heinrich Ritter Wawra v. Fernsee ... Wien (Druck und Commissionsverlag von Carl Gerold's Sohn) 1883-1888, 2 vols. Qu. (*Itin. princ. S. Coburgi*).

*1*: Mai-Jun 1883 (p. xviii: Mai 1883; Nat. Nov. Jul(2) 1883, publ.; announcement ÖbZ 1 Dec 1882, id. Bot. Zeit. 1883; published J. Bot. Sep 1883; Österr. bot. Z. 1 Sep 1883 (by J.F. Freyn; Bot. Zeit. 14 Sep 1883; Bot. Centralbl. 6-10 Aug 1883), p. [i*, iii*], [i]-xviii, [1]-182, *pl. 1-39* (p.p. col. liths. W. Liepoldt).

*2*: Jun 1888 (p. [iv]: Nov 1887; Bot. Centralbl. 30 Jul-10 Aug 1888; Bot. Zeit. 28 Sep 1888; Bot. Jahrb. 9 Oct 1888; Nat. Nov. Jul(2) 1888), p. [i-iv], [1]-205, *pl. 1-18* (id. M. v. Schlereth, G. v. Beck). – Completed by G. Beck after Wawra's death.

*Copies*: BR, G, HH, MO, NY.

*Neue Pflanzenarten*, gesammelt auf den Reisen ... Österr. bot. Z. 31: 69-71, 280-282. 1881, 32: 37-39. Feb 1882.

*Ref.*: Engler, A., Bot. Jahrb. 5 (Lit.): 13-16. 31 Dec 1883 (rev. 1).
Freyn, J.F., Bot. Centralbl. 15: 169-178. 1883 (rev. 1).

**Wear, Sylvanus** (1858-1920), British field naturalist and flour miller; in Belfast from 1904. (*Wear*).

HERBARIUM and TYPES: BEL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 466; BB p. 319; Desmond p. 647 (b. 21 Mai 1858, d. 13 Nov 1920).

BIOFILE: Anon., Irish Naturalist 30(2): 23. 1921 (obit.); J. Bot. 62: 189. 1924 (rev. suppl. Fl. N.E. Ireland).
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 33.10. 1980.
Hackney, S., Irish Natural. J. 17(7): 232, 233. 1972 (herb.).
Kent, D.H., Brit. Herb. 84. 1957.
Kent, D.H. & D.E. Allen, Brit. Irish Herb. 269. 1984.
Praeger, R.L., Some Irish Naturalists 174. 1949.

**16.848.** *A second supplement to*, and summary of Stewart and Corry's *Flora of the North-East of Ireland* ... Belfast (published by the Belfast Naturalist's Field Club ...) 1923. Oct. (*Suppl. Fl. N.E. Ireland*).
*Publ.*: 1923 (US copy rd. 20 Sep 1923), p. [i]-xii, [1]-129, err. slip. *Copies*: HH, MO, PH, US. – See also TL-2/13102.

**Weatherby, Charles Alfred** (1875-1949), American botanist (pteridologist) living at Hartford 1899-1929; A.B. Harvard 1897, A.M. 1898; voluntary assistant Gray Herbarium 1908, 1909, 1911, 1915; part time assistant ib. 1917-1929; ; full time assistant ib. 1929-1935; assistant curator 1931-1937, senior curator 1937-1940; in retirement research associate Gray Herbarium 1940-1949. (*Weath.*).

HERBARIUM and TYPES: NCBS, GH; further material A, C, DBN, DPU, E, LAM, NEBC, NY, PH, US (1554). – *Manuscripts, correspondence*: GH. – *Letters* at (e.g.) G, NY 46 letters to Barnhart).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 467 (b. 25 Dec 1875, d. 12 Jun 1949); BJI 2: 187; BL 1: 171, 197, 213, 323; Bossert p. 428; GR p. 252; Hirsch p. 317; Hortus 3: 1206; IF suppl. 3: 219, suppl. 4: 348; IH 1 (ed. 6): 365, (ed. 7): 345; Langman p. 793; Lenley p. 429; MW p. 526; MW suppl. p. 393; NW p. 61; PH 209; SIA see index; TL-2/2115, 12.659, see E.H. Scamman, B. Shimek; Tucker 3: 327-328; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon, Amer. men Sci. eds. 3-8. 1921-1949; Index Amer. bot. lit. 1886-1966. 4: 467-470. 1969; Natl. Cycl. Amer. biogr. 28: 138-139. 1953 (portr.); New York Times 22 Jun 1949; Who's who in America 23-25. 1944-1949; Who was who Amer. 2: 562. 1950.
Camp, W.H., Bull. Torrey bot. Club 77: 144-145. 1949.
Fernald, M.L. & B.C. Schubert, Rhodora 51: 169-191. 1949 (obit., portr., bibl. 300 nos.).
Lowden, R.M., Taxon Index Vols. 1-30. 778. 1985.
McWhood, L., Charles Alfred Weatherby (1875-1945) papers. Cambridge, Mass. Gray herbarium, July 1982, 20 p.
Rollins, R.C., Taxon 1: 3. 1951 (obit.).
Svenson, H.K., Amer. Fern J. 40(1): 2-8. 1950 (obit., portr.); Brit. Fern Gaz. 7(11): 269-270. 1950 (obit.).
Tryon, R.M., Amer. Fern J. 40(1): 9-10. 1950.
Verdoorn, F. et al., Chron. bot. 478 (index). 1935, 3: 27, 161, 293. 1937, 4: 452. 1938, 5: 302, 369. 1939.
Weatherby, U.F., Charles Alfred Weatherby. Cambridge, Mass. 1951, 189 p. (portr.).
Wiggins, I.L., Amer. Fern J. 40(1): 11-16. 1950 (tribute).

COMPOSITE WORKS: (1) Editor, *American Fern Journal* 5(1)-30(4). 1915-1940.
(2) With M.L. Fernald, *Proposed amendment to the international rules of botanical nomenclature*, Rhodora 31: 91-96. 1929.
(3) With A. Rehder, R. Mansfeld and M.L. Green, *Conservation of later generic homonyms*, Bull. misc. Inf. Kew 1935: 341-544 (letter by Weatherby).
(4) With W.H. Camp and H.W. Rickett, *International rules of botanical nomenclature*, Brittonia 6: 1-120. 1947, second printing Chronica botanica Cy., Waltham 1948. – See also

W.H. Camp, H.W. Rickett and C.A. Weatherby, *Proposed changes in the International rules of botanical nomenclature*, Brittonia 7: 1-51. 1949 and C.A. Weatherby, *Botanical nomenclature since 1867*, Amer. J. Bot. 36: 5-7. 1949. for preliminary document see no. (12).
(5) Major share in preparation of the Gray Herbarium Card Index.
(6) Editor, systematic section, Amer. J. Bot. 1936-1941.
(7) With C.B. Graves et al., *Cat. pl. Connecticut* 1910, TL-2/2115.
(8) With E.B. Harger et al., *Additions to the Flora of Connecticut*, Bull. Conn. State Geol. nat. Hist. Surv. 48, 1930, 94, vii p. sub TL-2/2115. – See Torreya 31: 52-53. 17 Apr 1931.
(9) *Changes in the nomenclature of the Gray's Manual ferns*, Rhodora 21: 173-179. 1919.
(10) *Filices, in* J.M. Johnston, *Papers on the flora of Northern Chile*, Contr. Gray Herb. 85: 13-17. *pl. 2.* 1929.
(11) *A list of type specimens in Elliott's herbarium*, Rhodora 44: 249-264. Contr. Gray Herb. 141.
(12) With H.W. Rickett and W.H. Camp, *Ballots for proposed amendments to the International rules of botanical nomenclature* 1948, mimeogr., 150 p. (preliminary copies released 27 Mai 1948. *Copy*: FAS.
(13) *Botanical nomenclature since 1867, in* Symposium on botanical nomenclature, E.E. Sherff et al., Amer. J. Bot 36(1): 5-7. 1949.

NOTE: (1) Weatherby's collections were often made together with his wife Una Leonora Weatherby, née Foster, 1879 (? 1877)-1957. Obituary: A.F. Tryon, Amer. Fern J. 48(4): 129-135. 1958.
(2) Weatherby was a member of the *International Committee on Nomenclature of plants* set up at the Amsterdam Int. botanical Congress, 1935.

EPONYMY: *Weatherbya* Copeland (1947).

**16.849.** *The genus Puccinellia in Eastern North America* ... Reprinted from Rhodora ... 1916. Oct.
*Co-author*: Merritt Lyndon Fernald (1873-1950) see TL-2/1: 825-826.
*Publ.*: 31 Jan 1916, cover-t.p., p. [1]-23, *pl. 114-117*. *Copy*: US. – Reprinted from Rhodora 18(205): [1]-23, *pl. 114-117*. 1916, also issued as Contr. Gray Herb. ser. 2. 46. 1916.

**16.850.** *Additions to the flora of Connecticut* ... Reprinted from Rhodora ... 1917. Oct.
*Authorship*: E.B.Harger, C.B. Graves, E.H. Eames, C.H. Bissell, L. Andrews, C.A. Weatherby.
*Publ.*: Jun, Jul, Oct, Nov 1917 (in journal), cover-t.p., p. [105]-110, 119-130, 224-232, 245-253. *Copy*: NY. – Reprinted and to be cited from Rhodora 19: 105-110. Jun, 119-130. Jul, 224-232. Oct, 245-253. Nov 1917.

**16.851.** *A list of varieties and forms of the ferns of Eastern North America* ... Reprinted from the American Fern Journal ... 1935. Oct.
[*1*]: 22 Jun 1935, p. [45]-51. – Reprinted from Amer. Fern J. 25: 45-51. 1935.
[*2*]: 19 Aug 1935, p. [95]-100. – Id. 25: 95-100. 1935.
[*3*]: 4 Apr 1936, p. [11]-16. – Id. 26: 11-16. 1936.
[*4*]: 21 Jul 1936, p. [60]-69 and *pl. 6*– Id. 26: 60-69, *pl. 6*. 1936.
[*5*]: 29 Oct 1936, p. [94]-99. – Id. 26: 94-99. 1936.
[*6*]: 16 Dec 1936, p. [131]-136. – Id. 26: 131-136. 1936.
[*7*]: 27 Mar 1937, p. [20]-24. – Id. 27: 20-24. 1937.
[*8*]: 5 Jun 1937, p. [51]-56. – Id. 27: 51-56. 1937.

**16.852.** *On certain type specimens in ferns* ... Reprinted ... from Contr. Gray Herb. ... 1939. Oct.
*Publ.*: 16 Feb 1939, p. [13]-22, *pl. 4*. *Copy*: NY. – Reprinted and to be cited from Contr. Gray Herb. 124: 13-22, *pl. 4*. 1939.
*Reprint* including *The group of Polypodium polypodioides*: 16 Feb 1939, p. [13]-35, *pl. 4*. *Copies*: HH, NY. – Id. 124: 13-35, *pl. 4*. 1939.

**16.853.** *The Argentine species of "Notholaena"* ... Buenos Aires (Imprenta y casa editora "Coni" ...) 1941. Oct.
*Publ.*: 12 Nov 1941, p. [i], [251]-275, *pl. 1-4. Copy*: NY. – Reprinted and to be cited from Lilloa 6: 251-275. 1941.

**16.854.** *A list of the vascular plants of Grand Manan*, Charlotte County, New Brunswick ... Cambridge, Mass. (Published by the Gray Herbarium ...) 1945. Oct. (*List pl. Grand Manan*).
*Publ.*: 25 Oct 1945, p. [1]-96. *Copy*: US. – Issued as Contr. Gray Herb. Harvard Univ. 158. 1945.

**Weathers, John** (1867-1928), British horticulturist and gardener; sometime Kew gardener; assistant secretary Royal Horticultural Society, later market gardener at Isleworth. (*Weathers*).

HERBARIUM and TYPES: BM (545 orchids and sketches of orchids).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 663; Barnhart 3: 467 (b. 17 Jun 1867, d. 10 Mar 1928); BM 5: 2275; Desmond p. 647; Hortus 3: 1206; MW p. 526; NI 2113a-2115; Tucker 1: 735, 3: 328; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 254: 131-132. 1965; Gard. Chron. 1893(1): 633, 637 (portr.), 1928(1): 20 (obit.); J. Bot. 66: 119. 1928 (obit.); J. Kew Guild 1928: 627-628 (obit.).; Orchid Review 36: 149. 1928 (obit.).

**16.855.** *A practical guide to garden plants* containing descriptions of the hardiest and most beautiful annuals and biennials ... London, New York and Bombay (Longmans, Green, and Co.) 1901. Oct. (*Pract. guide gard. pl.*).
*Publ.*: Jan-Jun 1901 (p. ix: Sep 1900; PH copy rd. 12 Jul 1901), p. [i]-xii, [1]-1192. *Copy*: PH.

**16.856.** *Beautiful roses* for garden and greenhouse ... London (Simpkin, Marshall, Hamilton, Kent, & Co., Ltd.) [1903]. Oct. (*Beautiful roses*).
*Publ.*: Jun-Jul 1903 (p. vi: Jun 1903; Nat. Nov. Aug(1) 1903), p. [i-ii], *pl. 1*, [iii]-vi, [vii-viii], [1]-152, *pl. 2-33* (col. J. Allen). *Copy*: NY. – *Reissue* London 1913.

**16.857.** *Beautiful garden flowers* for town and country ... London (Simpkin, Marshall, Hamilton, Kent, & Co., Ltd.) [1904]. Oct. (*Beautiful gard. fl.*).
*Publ.*: 1904 (Nat. Nov. Mar(1) 1905), p. [i]-vi, [vii-viii], [1]-152, *pl. 1-33* (col., J. Allen). *Copy*: BR. – *Reissue* 1913.

**16.858.** *Beautiful bulbous plants* for the open air ... London (Simpkin, Marshall, Hamilton, Kent, & Co., Ltd.) [1905]. Oct. (*Beautiful bulb. pl.*).
*Publ.*: 1905 (Nat. Nov. Jan(1) 1906), p. [i-ii], *pl. 1*, [iii-v], vi-x, [1]-150, *pl. 2-33* (col.; J. Allen). *Copy*: NY. – *Reissue* London 1913.

**Weatherwax, Paul** (1888-1976), American botanist; Dr. phil. Indiana Univ. 1918; assistant in botany ib. 1913-1915, instructor 1915-1918; associate professor Georgia 1919-1921; professor of botany Indiana Univ. 1921-1959; visiting professor Franklin College 1960-1963; emeritus professor Indiana Univ. 1959-1976. (*Weatherwax*).

HERBARIUM and TYPES: IND (5000 grasses); other material at DPU, IA, K, US.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 467 (b. 4 Apr 1888); Bossert p. 428; Hirsch p. 317; IH 1 (ed. 1): 11, (ed. 2): 24, (ed. 3): 28, (ed. 4): 29, (ed. 5): 21, (ed. 6): 29; Langman p. 793-794; Tucker 3: 328.

BIOFILE: Anon., Amer. men Sci. eds. 3-11. 1921-1967; Brit. Mus. gen. cat. print. books 254: 132. 1965; Index Amer. bot. lit. 1886-1966. 4: 470-471. 1969 (bibl.); Who's who Amer. 26-28. 1950-1955.

Deam, C.C., Fl. Indiana 9, 1119. 1940 (coll.).
Heiser, C.B., Jr., Proc. Indiana Acad. Sci. 91: 429, 439. 1982 (biogr. sketch and text of first chapter of W.'s autobiography).
Markle, M.S., Proc. Indiana Acad. Sci. 76: 147. 1967.
Rickett, H.W., Index Bull. Torrey bot. Club 103. 1955.
Verdoorn, F., ed., Chron. bot. 2: 321. 1936, 3: 264, 284. 1937, 4: 180. 1938, 5: 233, 371. 1939.

COMPOSITE WORKS: *The grass plant, in* C.C. Deam, *Grasses of Indiana* 21-28. 15 Oct 1929.

NOTE: Outside our period: *Plant biology* (1942; ed. 2. 1947, ed. 3. 1956, as *Botany* third ed.), *Indian corn in Old America* (1954).

**16.859.** *The evolution of Maize* ... Reprinted ... from the Bulletin of the Torrey Botanical Club ... 1918. Oct.
*Publ.*: 9 Sep 1918, cover-t.p., p. 309-342. *Copy*: NY. – Reprinted and to be cited from Bull. Torrey bot. Club 45: 309-342. 1918.

**16.860.** *The story of the maize plant* ... Chicago, Illinois (The University of Chicago Press) [1923]. Oct. (*Story maize pl.*).
*Publ.*: Mar 1923, p. [i-iv], *pl. 1*, [v]-xv, 1-247, *pl. 2*. *Copies*: G, NY. – See also *The evolution of maize* (1918, above) and other papers on Maize, listed e.g. by Langman, and Index Amer. bot. lit.

**16.861.** *Comparative morphology of the oriental Maydeal* ... Publication ... no. 23 of the Waterman Institute for Scientific research [Bloomington] 1926. Oct. (*Comp. morph. orient. Mayd.*).
*Publ.*: Dec 1926, p. [1]-18. *Copies*: B-S, LC, NSUB. – Indiana Univ. Stud. 13, 1926.

**16.862.** *The phylogeny of Zea Mays* ... The American Midland Naturalist ... 1935. Oct.
*Publ.*: Jan 1835, cover-t.p., p. [1]-71. *Copies*: B, NY. – Issued as Amer. Midl. Natural. 16(1). 1935.
*Ref.*: Hubbard, C.E., Bull. Misc. Inf. Kew 1935: 591-594.

**Webb, David Allardice** (1912-x), Irish botanist; studied at Trinity College, Cambridge 1931-1935; lecturer with H.H. Dixon at Trinity College Dublin 1939-1949; professor of botany ib. 1949-1966; transferred to a personal chair of systematic botany ib. 1966; Sc.D. Trinity, Cambridge, 1951; Boyle medal 1981. (*D. Webb*).

HERBARIUM and TYPES: IBS. – Other material DBN, K, LTR, TCD (Saxifraga; lichens).

BIBLIOGRAPHY and BIOGRAPHY: BFM 1429, 1507; BL 2: 218, 282, 730; Bossert p. 428; Hortus 3: 1206; IH 1 (ed. 1): 11, (ed. 2): 48, (ed. 3): 57, (ed. 4): 62, (ed. 5): 58, (ed. 6): 80, (ed. 7): 80; Roon p. 121; SIA see index; Zander ed. 10, p. 730, ed. 11, p. 834.

BIOFILE: Anon., B.S.B.I. News 35: 9. 1983; Irish Nat. J. 21: 283. 1984 (celebrations); Nature 146: 947-948. 1949 (successor H.H. Dixon).
Clinch, Ph., J. Life Sci. R. Dublin Soc. 4(2): 139-141. 1983 (citation Boyle Medal).
Frodin, D.G., Guide standard floras world nos. D-6, 638, 665.
Kent, D.H., Brit. herb. 84. 1957.
Kent, D.H. & D.E. Allen, Brit. Irish Herb. 269. 1984 (coll.).
Lowden, R.M., Taxon, Index pers. names 1-30. 1984.
Mitchell, M.E., Bibl. Irish lichenol. 68. 1971.
Praeger, R.L., Some Irish naturalists 175. 1949 (portr.).

COMPOSITE WORKS: Co-editor, *Flora Europaea* 1964-1983.

NOTE: Outside our period: (1) *An Irish flora*, Dundalk (Dundalgan Press) 1943; ed. 2: 1953, ed. 3: 1959, ed. 4: 1963, ed. 5: 1967, ed. 7: 1977.
(2) *The flora of European Turkey*, Proc. R. Irish Acad. 65. Sect. B, no. 1, p. 1-100. 1966.

(3) With M.J.P. Scannell, *Flora of Connemara and the Burren*, 1983.

**Webb, Philip Barker** (1793-1854), British naturalist, traveller and geologist of private means; B.A. Oxford 1815; travelled widely in the Mediterranean area, Portugal (1826-1828), Madeira and the Canary Islands (with S. Berthelot 1828-1830), settled at Paris, assembling a rich herbarium and library. (*P. Webb*).

HERBARIUM and TYPES: FI (300.000 specim.). Webb left his herbarium to the grand-duke of Tuscany and the town of Florence. He also ruled that the proceeds of the sale of his Paris residence were to be used as an endowment for the upkeep of the herbarium. The executors of his will lost a law-suit to declare it invalid and on 4 September 1855 the collection was shipped from Paris to Florence under the personal supervision of Parlatore. See Parlatore 1874 for an extensive description of the herbarium. Webb's botanical library (5000 vols.) was included in the legacy and is also at FI. – Further material at AWH, B (mainly destr.), BASSA, BM, BR, CGE, DBN, E, G (impt. set), G-DC, GH, K, LY, MANCH, MO, MPU, OXF, P, P-CO, PC, PH, W. – *Letters* at G, GH, K, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 2: 496, 6(2): 635; Backer p. 56, 622; BB p. 320; BL 1: 87, 323; BM 1: 153, 5: 2275-2276; Bossert p. 428; Bret. p. 163; Clokie p. 262; Colmeiro 1: clxiii; CSP 6: 286; Desmond p. 648 (b. 10 Jul 1793, d. 31 Aug 1854); De Toni 1: cxxix; DNB 60: 105 (20: 1016-1017); Frank 3 (Anh.): 111; GF p. 48;GR p. 419; Herder p. 484 (index]; Hortus 3: 1206; IF p. 737; IH 1 (ed. 6): 365, (ed. 7): 345; Jackson p. 339, 352; Lasègue p. 587 [index]; Lenley p. 472; LS 28411-28412; NI 2116-2118; PR 4233, 7768, 10021-10023, ed. 1: 10996-10999; Rehder 5: 906; RS p. 147; Saccardo 1: 174, 2: 114; TL-1/540, 1390-1392, see indexes; TL-2/3012, 6254, 6287, see indexes; Tucker 1: 14, 736, 3: 328; Urban-Berl. p. 408; Zander ed. 10, p. 731, ed. 11, p. 834.

BIOFILE: Anon., Alg. Konst.-Letterbode 66:301. 1854 (d.), 67: 2. 1855 (coll. to Firenze); Bonplandia 1: 33, 34, 43 (Webb in Rome), 34 (*Otia* publ. Jun 1853), 66, 104 (in Firenze), 142 (9 Jul back in Paris). 1853, 2: 67 (in London), 239 (left herb. to Firenze), 268 (cogn. Leopoldina Pena), 233 (description of illness and death) 1854, 3: 15 (Parlatore will send herb. from Paris to Firenze), 260-261 (on lawsuit against Webb's will), 343. 1855, 4: 47 (sale Hôtel Webb) 1856; Bot. Zeit. 10: 238-239. 1852 (L. Kralik app. curator herb. Webb), 11: 93. (to Tunis), 358 (illness). 1853, 12: 728 (d.), 816 (herb. to Firenze). 1854, 14: 47. 1856 (Hôtel Webb, Paris, sold; 150.000 frs., proceeds to be used for upkeep of herbarium at FI; executors of will lost lawsuit: everything goes to Firenze); Brit. Mus. gen. print. books 254: 206. 1965; Cat. gén. livr. impr. Bibl. natl. 219: 168-171. 1974.

Barbosa, L.A.G., C.R. AETFAT 54: 84. 1962 (on W.'s work on flora Cape Verde Arch.).

Boase, F., Modern Engl. biogr. 3: 1246-1247. 1965.

Bonnet, Ed., Lettres de Ph. Parker Webb 1905, *in* Webbia, Raccolta scritti ... 50° anniversario morte T.B.W. Firenze 1905 (Webbia 1) p. 5-11 (corr.).

Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 224.111, 269.167. 1980.

Candolle, Alph. de, Phytographie 458. 1880.

Candolle, A.P. de, Mém. souvenirs 413, 414. 1862.

Chiarugi, A., Webbia 11: xix-xxxi. 1956 (inauguration bust).

Coats, A.M., The plant hunters 32, 341, *pl. 2*. 1969.

Cosson, E., Comp. fl. atl. 1: 14-15. 1881.

Gay, J., Bull. Soc. bot. France 3: 51-52. 1856 (bibl.), 10: 466-468. 1863 (visit to Milford House, family house of the Webbs).

Gray, A., *in* W.J. Hooker, J. Bot. 3: 369. 1841; Amer. J. Sci. ser. 2. 18: 429. 1854 (obit.).

Gray, J.L., Letters A. Gray 23, 157, 173, 382. 1893.

Helm, J., Kulturpfl. 14: 354. 1966.

Hooker, W.J., J. Bot. Kew Gard. Misc. 6: 310-315. 1854 (obit.).

Martelli, U., Webbia, raccolta di scritti botanici publicati in occasione del 50. anniversario della morte di F.B. Webb. Firenze 1905, xii, 396 p. (continued as the journal Webbia) (contains repr. Webb's will, letters annotated by E. Bonnet) (rev. Nature 73: 510-511. 1906); Webbia 1: 1-4. 1905 (on Webb's will).

Michaud, Biogr. univ. ed. 2. 44: 402-405. s.d.
Nissen, C., Zool. Buchill. 426-427. 1969.
Parlatore, F., Elogio di F.B.W., Firenze 1856, 113 p. (obit., letters, composition herbarium; rev. Bonplandia 5: 97-100. 1857); Les collections botaniques ... Florence 13-18. 1874); Inaugurazione del busto di F.B.W. Firenze 1874, 16 p., ex Atti Congr. int. Bot. Maggio 1874 (reprint: FAS).
Porter, D.M., Webbia 36(2): 225-228. 1983 (Charles Darwin, the Cape Verde Islands and the herbarium Webb).
Sayre, G., Mem. New York Bot. Gard. 19(3): 411. 1975 (coll.).
Stearn, W.T., Monogr. biol. Canar. 4: 15-29. 1973 (on P.W.B. and Canarian botany, portr.).
Steinberg, C.H., Monogr. Biol. Canar. 4: 30, 33, 34, 48. 1973; Webbia 32: 1-49. 1977 (cat. coll. FJI-W).
Tassi, Fl., Bull. lab. Orto bot. Siena 7: 6, 31, 34. 1905 (work on flora Siena).
Wittrock, V.B., Acta Horti Berg. 3(2): 98. 1903 (on portr.).
Zittel, K.A. von, Gesch. Geol. Paläont. 401. 1899.

COMPOSITE WORKS: (1) Co-author with C.H.B.A. Moquin-Tandon, *Considérations sur la fleur des Crucifères*, 1849, TL-2/6287.
(2) Collaborator, W.J. Hooker, *Niger Fl.* 1849, TL-2/7012.
Webb contributed the *Spicilegia Gorgonea* (list pl. Cape Verde Isl.), p. [89]-197.

HANDWRITING: Candollea 34: 199-200. 1979; Webbia 32(1): 10. 1977; Monogr. Biol. Canar. 4: 48. 1973.

NOTE: (1) Manuscript biography of Webb by Jaques Gay (1856) at BM.
(2) Webb's library at Paris was among the libraries consulted by Pritzel in completing his *Thesaurus* see TL-2/8353.

EPONYMY: (genera): *Barkerwebbia* Beccari (1905); *Webbia* Spach (1836); *Webbia* A.P. de Candolle (1836); (journal): *Webbia*; raccolta di scritti botanici. Florence. Vol. 1-x. 1905-x.

**16.863.** *Histoire naturelle des Iles Canaries*, ... Tome troisième [Botanique] ... Paris (Béthune, ...) [1835-] 1836-1850, 2 parts. Qu. (*Hist. nat. Iles Canaries*).
*Co-author*: Sabin Berthelot (1794-1880).
*Première partie* contenant la géographie botanique: 1835-1842, in 8 parts (see below). Author: S. Berthelot. – Frontisp. portr. Berthelot, p. [i, iii], [1]-181, [1-2].
*Deuxième partie*. Phytographia canariensis: 1836-1841, in 71 parts (see below). Authors: P.B. Webb, S. Berthelot et al.
*1*: frontisp. portr. Webb, p. [i, iii], [1]-220, *pl. 1, 1b-c, 2-4, 4b-e, 5-8, 8a, 9-12, 12b, 12*[*2*], *13, 13b, 14, 14b, 15-36, 36b-c.*
*2*: 1842-1850, p. [i, iii], [1]-496, *pl. 37-41, 41b, 42-50, 50b, 51, 51b, 52-65, 65b-d, 66, 66b* (2; 66b *Drusa* changed to 78), *67-69, 69b, 70-74, 75* (as "78" Ferula), *76-78* [Sambucus; 78 Terula is 75], *79-82, 82b, 83-86, 86b, 87-113* [*Cynara* 114 issued as 117], *115-134, 134b, 135-136, 136b.*
*3*: 1844-1850, p. [i, iii], [1]-479, *pl. 137-252* (179 issued as 177).
*4*: 1839-1842, p. [i*, iii*], [i]-xv, [1]-208, *pl. 1-9.*
*Copies*: B, BR, G, H-UB, HH, L, MICH, MO, Teyler, USDA; IDC 2690. – *Artists*: see NI 2118.

Full details will be found in Stearn's paper (1937). The following list gives the dates for the text. For the dates of publication of the various plates see Stearn.

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| | 52 | 185-192 | Nov 1840 | | 89 | 233-240 | Apr-Mai 1847 |
| | 53 | 193-216 | Jan 1841 | | 87 | 241-264 | Sep '46-Feb '47 |
| | 56 | 217-220 | Mar 1841 | | 89 | 265-280 | Apr-Mai 1847 |
| 2 | 59 | 1-32 | Jan 1842 | | 91 | 281-288 | Jul-Sep 1847 |
| | 62 | 33-80 | Mai 1842 | | 90 | 289-312 | Mai-Jul 1847 |
| | 65 | 81-120 | Aug 1842 | | 92 | 313-336 | Sep-Oct 1847 |
| | 67 | 121-152 | Dec 1842 | | 95 | 337-360 | Jan-Feb 1848 |
| | 68 | 153-176 | Jan 1843 | | 97 | 361-384 | Jul-Oct 1848 |
| | 70 | 177-192 | Jun 1843 | | 90 | 385-400 | Oct-Nov 1848 |
| | 72 | 193-224 | Feb 1844 | | 99 | 401-416 | Nov '48-Feb '49 |
| | 73 | 225-240 | Feb 1844 | | 101 | 417-424 | Mar-Jun 1849 |
| | 75 | 241-264 | Jul 1844 | | 100 | 425-448 | Feb-Mar 1849 |
| | 76 | 265-296 | Sep 1844 | | ? | 449-456 | 1849-1850 |
| | 79 | 297-304 | Mai 1845 | | 106 | 457-464 | Jul-Oct 1850 |
| | 80 | 305-336 | Jul 1845 | 4 | 56 | i-xv | Apr 1861 |
| | 85 | 337-352 | Jul 1846 | pl.cell. | 44 | 1-8 | Nov 1839 |
| | 86 | 353-376 | Sep 1846 | | 45 | 9-16 | Nov 1839 |
| | 87 | 377-384 | Sep 1847-Feb 1847 | | 46 | 17-24 | Mar 1840 |
| | 94 | 385-408 | Nov 1847-Jan 1848 | | 47 | 25-48 | Apr 1840 |
| | 102 | 409-416 | Jun 1849-Mai 1850 | | 48 | 49-72 | 1 Jun 1840 |
| | 101 | 417-424 | Mar-Jun 1849 | | 49 | 73-104 | 20 Jun 1840 |
| | 102 | 425-432 | Jun 1849-Mai 1850 | | 51 | 105-128 | Jul 1840 |
| | 103 | 433-448 | Jun 1849-Mai 1850 | | 52 | 129-160 | Nov 1840 |
| | 102 | 449-456 | Jun 1849-Mai 1850 | | 53 | 161-176 | Jan 1841 |
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**16.864.** *Iter hispaniense* or a synopsis of plants collected in the southern provinces of Spain and in Portugal, with geographical remarks, and observations on rare and undescribed species, ... Paris (Béthune and Plon, ...) London (by Henry Coxhead, ...) 1838. Oct. (in 4-s). (*Iter hispan.*).

*Publ.*: Sep 1838 (Acad. 3 Sep 1838, BF 12 Jan 1839. – On 18 Oct 1838 Boissier wrote to Bentham (letter at K) that his *Elenchus* (publ. Jun 1838) came out more than six weeks before Webb's *Iter hispaniense*, but that Webb had not been able to incorporate the new names from the *Elenchus*. This information confirms that publication took place in September rather than in December 1838), p. [i*-iii*], [i]-iv, [1]-80. *Copies*: BR, FAS, G, H, HH, MO, U, USDA.

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**16.865.** *Otia hispanica* seu delectus plantarum rariorum aut nondum rite notarum per

Hispanias sponte nascentium ... Pentas i [ii]. Parisiis (Brockhaus et Avenarius) Londini (H. Coxhead) 1839, 2 parts. Fol. (*Otia hispan.*).
*Co-author* (for part 2, Algae): J.P.F.C. Montagne (1784-1866), TL-2/3: 557-564.
*1*: Oct 1839 (Acad. Paris rd. 28 Oct 1839; Hinrichs rd. 10-16 Nov 1839), cover-t.p., p. [i], [1]-8, *pl. 1-5* (uncol. copp.).
*2*: 1839 (t.p.; Hinrichs rd. 24-30 Mai 1840: publ. Nov-Dec 1839 or early 1840), cover-t.p., p. [9]-15, *pl. 6-10* (on one plate; col. copp.).
*Copies*: G, MO, NY; IDC 5802. – *Artists*: J. Berthelot, A. Chazal, A. Riocreux, Mme Spach.
*New, enlarged edition*: 1 Jan 1853 (p. [5]: Sep 1852; rev. Flora 28 Apr 1853), p. [1]-50, *pl. 1-5, 6-10* (on one plate, algae), *11-36, 36a, 37-45* (uncol. or col.). *Copies*: BR, G, HH, MO, NY. – Parisiis (Victor Masson, ...) 1853. Qu. – *Artists*: J. Berthelot, A. Chazal, J. Desne, J. Félix, Alfr. Riocreux, Mme Spach, A.J.B. Vaillant.
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Hooker, W.J., J. Bot. Kew Gard. Misc. 5: 350-352. 1853 (rev.).

**16.866.** *Notice sur le Parolinia*, nouveau genre de la famille des Crucifères, et sur des espèces à ajouter à la flore des Canaries, ... Extrait des Annales des Sciences naturelles (Mars 1840). Oct.
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**16.867.** *Observations sur le Tamarix gallica* de Linné, ... Extrait des Annales des Sciences naturelles (Novembre 1841). Oct.
*Publ.*: Oct 1841, p. [1]-11, *pl. 15*. *Copies*: B, G, HH. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 2. 16: 257-266. 1841. – Translation and revision of his *Tamarix gallica* Linn., in W.J. Hooker, J. Bot. 3: 422-431. Mai 1841.

**16.868.** *Sur le genre Retama*, ... Extrait des Annales des Sciences naturelles ... 1843. Oct.
*Publ.*: Nov 1843, p. [1]-15. *Copy*: MICH. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 2. 20: 269-283. 1843.

**16.869.** *Hemicrambe*. Cruciferarum genus novum. Extrait des Annales des Sciences naturelles ... [1851]. Oct.
*Publ.*: 1851 (issue for Oct 1851), p. [1]-4. *pl. 19*. *Copy*: G. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 3. 16(4): 246-249. 1851.

**16.870.** *Florula aethiopico-aegyptiaca* sive enumeratio plantarum quas ex Aethiopia et Aegypto Museo regio florentino misit Antonius Figari, M.D. ... Florentiae (ex Typographica Societate) 1851. Oct. (*Fl. aethiop.-aegypt.*).
*Co-author*: Philippo (Filippo) Parlatore 1816-1877, see TL-2/4: 66-72.
*Publ.*: 1851 (see notes below), p. [1]-24. *Copy*: FI. – *Note*: C. Steinberg noted on the copy of the t.p. of this brochure, sent to us a few weeks before his death: "lacking 2 pages" and "extr. Giornale botanico Italiano 2° anno 2° fasc. 7: 204-227". We have not been able to establish this concordance. The "*Fragmenta florulae aethiopico-aegyptiacae*, ... Parisiis, 1854", treated below, has on p. 10 the date 8 Feb 1849, which also occurs in the *Giornale* 2(2)7: 110. 1849(?). The FI pamphlet may be an undistributed precursor of the Fragmenta. We have also not been able to compare the contents of the two publications.

**16.871.** *Observations sur le groupe des Ulicinées*, et énumération de ses espèces, ... Extrait des Annales des Sciences naturelles ... [1852]. Oct.
*Publ.*: 1852 (issue for Apr 1852), p. [1]-13. *Copies*: B, G, M. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 3. 17(4): 280-291. 1852.

**16.872.** *Fragmenta florulae aethiopico-aegyptiacae* ex plantis praecipue ab Antonio Figari M.D. Musaeo I.R. Florentino missis. Auctore Philippo Barker Webb. Parisiis (apud Victor Masson, ...) 1854. Oct. (in 4-s). (*Fragm. fl. aethiop.-aegypt.*).
*Publ.*: 15 Feb 1854 (p. [1]: Jan 1854; p. 10: 8 Feb 1849; Bonplandia 2: 67. 1854: letter

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**Webb, Robert Holden** (1806-1880), British clergyman and botanist; B.A. Cambridge 1829, M.A. 1834; ordained deacon 1829, priest 1830; curate of Essendon nr. Hatfield, Herts. 1830, rector ib. 1843-1880. (*R. Webb*).

HERBARIUM and TYPES: Formerly at STAL, not traced (Kent & Allen 1984).

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**16.873.** *Flora hertfordiensis*: or a catalogue of plants, found in the County of Hertford, with the stations of the rarer species ... London (William Pamplin, ...) [1848-] 1849. Duod. (*Fl. hertford.*).
*Co-author*: William Higgins Coleman (1816?-1863) see TL-2/1: 522.
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*Note* (1): see also A.R. Pryor, Fl. Hertfordshire 1887, TL-2/8372.
(2) Preliminary publ.: R.H. Webb & W.H. Coleman, *A report of the progress made in the investigation of the flora of Hertfordshire* Oct., 14 p. [Hertford 1843]. n.v. (*copy*: BM).

**Webber, Herbert John** (1865-1946), American botanist; A.M. Univ. Nebraska 1890; Dr. phil. Washington Univ. 1901; instructor in botany Univ. Nebraska 1889-1890; id. Shaw School Botany St. Louis 1891-1892; USDA investigator orange diseases Florida 1893-1897; in charge of plant breeding USDA 1899-1907; professor exptl. plant biology Cornell Univ. 1907-1908, acting director 1909-1910; professor of plant breeding 1910-1912 N.Y. State College Agric.; director Citrus Experiment Station, Riverside and prof. plant breeding Univ. Calif. 1913-1920; professor of subtropical horticulture ib. Berkeley 1921-1936. (*Webber*).

HERBARIUM and TYPES: NEB. – Further material at BPI, CUP, DBN, F, MO, NY, US. – *Letters* at FH (to Farlow), GH.

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*Introduction*: Charles Edwin Bessey 1845-1915.
*Publ.*: 18 Dec 1889 (in journal), p. [37]-82. *Copy*: Stevenson. – Reprinted and to be cited from Bull. agric. Exp. Sta. Nebraska 1 (art. 9): 307-552 ([37]-82). 1889.

**16.875.** *Catalogue of the flora of Nebraska.* Protophyta-Anthophyta. [Nebraska State Board of Agriculture ... 1890]. Oct.
*Publ.*: Sep 1890 (p. 42: 1 Jun 1890), p. [i], [37]-162. *Copies*: FH, US, USDA. – Also published in (or preprinted from) Ann. Rep. Nebraska State Board of Agriculture 1889: 175-302. 1890. *Copy*: US. – *Report of the botanist* [Charles E. Bessey], also published separately, Lincoln (Neb.) 1890, p. [1]-36, Bessey [37]-162, Catalogue by Webber. *Copies*: HH, Stevenson.
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*Publ.*: 1896, p. [i-ii], 89-106. *Copy*: B. – Reprinted and to be cited from Yearb. Dept. Agric. 1896: 89-106.

**16.877.** *The Waterhyacinth*, and its relation to navigation in Florida ... Washington (Government Printing Office) 1897. Oct. (*Waterhyacinth*).
*Publ.*: 1897 (p. 3: 5 Apr 1897; Bot. Zeit. 16 Sep 1897; Nat. Nov. Aug(1) 1897), frontisp., p. [1]-20. *Copies*: B, BR, G, HH, M, NY. – Bull. U.S.D.A. Div. Bot. 18, 1897.

**16.878.** *Spermatogenesis and fecundation of Zamia* ... Washington (Government Printing Office) 1901. Oct. (*Spermatogen. fertiliz. Zamia*).
*Publ.*: 28 Dec 1901, p. [1]-100, *pl. 1-7*. *Copies*: B, BR, G, HH, M. – U.S.D.A. Bureau Plant Industry, Bull. 2.
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**Weber, Carl Albert** (1856-1931), German (Prussian) botanist; student of Alexander Braun, Berlin and, from 1876, of Julius Sachs, Würzburg; assistant to Sachs 1877; Dr. phil. Würzburg 1879; with de Bary in Strassburg 1879-1881; teacher's examination Berlin 1881; teacher at the Agricultural Institute, Hohenwestedt, Holstein 1884-1894; botanist at the Preussische Moorversuchs-Station Bremen 1894-1924; professor's title 1909; in retirement still active in peat-bog investigations. (*C.A. Weber*).

HERBARIUM and TYPES: BREM.

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Christiansen p. 321 [index]; CSP 19: 497-498; Hirsch p. 317; IH 1 (ed. 6): 365, (ed. 7): 345; Quenstedt p. 453.

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**16.879.** *Ueber Cratopleura holsatica*, eine interglaciale Nymphaeacee, und ihre Beziehungen zu Holopleura Victoria Casp. sowie zu recenten Nymphaeaceen ... [Separat-Abdruck aus dem neuen Jahrbuch für Mineralogie ... 1892]. Oct.
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**16.880.** *Über die diluviale Vegetation von Klinge* in Brandenburg und über ihre Herkunft ... Beiblatt zu den Botanischen Jahrbüchern ... 1893. Oct.
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**16.881.** *Über die diluviale Flora von Fahrenkrug in Holstein* ... Beiblatt zu den Botanischen Jahrbüchern ... 1893. Oct.
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**16.882.** I. *Über die fossile Flora von Honerdingen* und das nordwestdeutsche Diluvium. II. Zur Kritik interglacialer Pflanzenablagerungen ... Sonder-Abd. a.d. Naturw. Ver. z. Bremen 1896. Oct.
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**16.885.** *Die Pflanzenwelt des Rabutzer Beckentons* und ihre Entwickelung unter Bezugnahme auf Klima und geologische Vorgänge ... Leipzig (Verlag von Wilhelm Engelmann) 1917. Oct.
*Publ.*: 17 Apr 1917, cover-t.p., p. [3]-50. *Copies*: B, M. – Reprinted and to be cited from Bot. Jahrb. 54(5), Beibl. 120: [3]-50. 1917.

**Weber, [Frédéric] Albert [Constantin]** (1830-1903), French military surgeon and amateur botanist; studied medicine at the Val-de-Grâce, Paris, graduating 1853; on active service in Algeria, Italy (e.g. Solférino), Indo-China (ca. 1860-1862) and Mexico 1865-1866; in the Metz hospital and the Army of the Loire 1870-1871; subsequently in charge of various military hospitals in France, ultimately director of Val-de-Grâce. (*F.A.C. Weber*).

HERBARIUM and TYPES: MO and P. – W has "Plantae mexicanae" collected by "A. Weber". – Manuscript notes on travels: P.

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**16.886.** *Cactées nouvelles du genre Rhipsalis* ... Extrait de la Revue horticole, année 1892. Oct.
*Publ.*: 16 Sep 1892, (see p. 409, journal), p. [1]-6. *Copy*: HH. – Reprinted and to be cited from Revue hort. 64: 424-429. 1892.

**16.887.** *Les Cactées de la Basse-Californie* ... Extrait du Bulletin du Muséum d'Histoire naturelle – 1895, n° 8.
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**16.888.** *Les Echinocactus de la Basse California* ... Paris (Imprimerie nationale) 1898. Oct.
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**16.889.** *Les Pereskia et Opuntia Péreskioïdes* du Mexique, ... Extrait du Bulletin du Muséum d'Histoire naturelle 1898. Oct.
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**16.890.** *Les Cactées des îles Galapagos* ... Extrait du Bulletin du Muséum d'Histoire naturelle 1899. Oct.
*Publ.*: Aug 1899 (p. 6), cover-t.p., p. [1]-6. *Copies*: HH, US. – Reprinted and to be cited from Bull. Mus. Hist. nat. 5: 309-314. 1899.

**16.891.** *Notes sur quelques Agaves* du Mexique occidental et de la Basse-Californie ... Extrait du Bulletin du Muséum d'Histoire naturelle ... 1902. Oct.
*Publ.*: Mai 1902 (p. 7), p. [1]-7. *Copy*: B. – Reprinted and to be cited from Bull. Mus. Hist. nat. 8: 218-224. 1902.

**16.892.** *Les Cactées de Costarica* ... Extrait du Bulletin du Muséum d'Histoire naturelle ... 1902. Oct.
*Publ.*: Aug 1902 (p. 16), p. [1]-16. *Copies*: HH, US. – Reprinted and to be cited from Bull. Mus. Hist. nat. 8: 454-469. 1902.

**16.893.** Oeuvres posthumes de A. Weber ... *Les Cleistocactus* ... Nice (Imprimerie Ventre frères) 1904. Oct. (*Cleistocactus*).
*Editor*: R. Roland-Gosselin.
*Publ.*: Jan 1904, p. [1]-19. *Copy*: HH. – Preprinted or reprinted from Bull. Soc. Agr. Hort. Acclim. Nice 44(1): 31-47. 1904.
*Further* "*oeuvres posthumes*": 1904, cover-t.p., p. [1]-18. *Copy*: HH. – Reprinted and to be cited from Bull. Mus. Hist. nat. 1904(6): 382-399.

**Weber, Friedrich** (1781-1823), German botanist; Dr. phil. Kiel 1801; supervisor university hospital 1802; adjunct philos. faculty Kiel 1803, extraord. prof. id. 1804; Dr. med. 1805; in charge of the botanical garden 1810; extraord. professor of medicine 1811; son of Georg Heinrich Weber. (*F. Weber*).

HERBARIUM and TYPES: Part of the Friedrich Weber hepatics may have come to S via the herbarium J.G.C. Lehmann (inf. R. Grolle). Other Friedrich Weber material is reported from HBG(algae), KIEL (prob. destroyed) and M (bryophytes); W. Nolte (1826) states that the herbaria of F. Weber and D.M.H. Mohr were included in the herbarium of Georg Heinrich Weber (1752-1858; father). – P. Isoviita sent us a summary of his information on the Weber and Mohr herbarium given below.
*Note by P. Isoviita* on the Weber and Mohr herbarium:

In the beginning of the 1800's, F. Weber and D. Mohr (q.v.) built a large herbarium at Kiel; it was particularly rich in cryptogams and also contained materials from G.H. Weber (see, e.g., Nolte 1826). From F. Weber and Mohr publications (*Index Mus. pl. crypt.*, 1803, *Naturh. Reise Schweden*, 1804, *Bot. Taschenb.*, 1807) it appears that the herbarium included specimens of many other botanists as well: e.g., E. Acharius (also nearly 150 species of lichens, including numerous spcies described in his *Meth. lich. suppl.*, 1803; see *Naturh. Reise Schweden* 77-78, 1804), O.C. Blandow, S.E. Bridel, J. Dickson, H. Flörke, P. Forsskål (Forsk. Hb.), J. Hedwig, C. Linnaeus e.g. 15 algae Herb. Linn., apparently given by Acharius; (cf. *Naturh. Reise* 78), F.K. Mertens, A.W. Roth, K.F. Schultz, C.F. Schwägrichen, J.C. Starke, O. Swartz, C.P. Thunberg, J.F. Trentepohl, D. Turner and G. Wahlenberg (evidently rich materials).

Nolte (1826) still used the herbarium Weberianum, but after G.H. Weber's death (1828) it seems to have been split up. According to a manuscript by Nolte, G.H. Weber's herbarium was purchased by F.C. Martens (1803-1870), apothecary at Neustadt in Holstein (Fischer-Benzon in Prahl 1890: 61); this collection might have contained the vascular plants of the combined Weber and Mohr herbarium, but nothing is known of its later fate or of its possible link to the following history. The bryophytes (and evidently many other cryptogams) were acquired by J.B.W. Lindenberg; his collaborator C.G.D. Nees von Esenbeck (*Naturgesch. eur. Leberm.* 2: 300. 1836) mentions Lindenberg as "der Besitzer der Weber'schen Sammlung". Lindenberg's hepatic herbarium (at W) still contains some F. Weber specimens, but the majority of his types are in J.G.C. Lehmann's (collaborator of Lindenberg) herbarium at S (through O.W. Sonder and J. Ångström; see Taxon 29: 282. 1980 and Sv. bot. Tidskr. 9: 395. 196 respectively). Some Hb. Web. specimens in the Lehmann herbarium bear the annotation "ded. Lindenberg 1830", and I suppose that the other specimens involved were similarly given to Lehmann. After Lindenberg's death, the moss herbarium of D. Mohr went to K. Müller of Halle (Österr. bot. Z. 6: 200, TL-2/3: 545); this information evidently refers to Weber and Mohr's combined moss herbarium. Saelan et al. (1890: 10) state that Müller's herbarium includes Weber & Mohr's collection. Müller's moss herbarium was destroyed at B in 1943, but some Weber et Mohr and Mohr mosses still exist at JE, mostly from K. Schliephacke's herbarium, who received them from Müller (inf. F.K. Meyer). P. Sydow (Deutsche Botaniker-Kalender für 1899) even claims that a "Mohr" herbarium was owned by Schliephacke. This is possible. Müller scarcely had much interest in Weber et Mohr's European specimens, and he had a close contact with Schliephacke (who edited Müller's posthumous Genera and provided our Brotherus with many Müller duplicates). In 1855, Lindenberg's lichen collection, containing "zahlreiche Originalexemplare von Acharius" (evidently from Weber and Mohr's herbarium, cf. above), was also announced for sale by Sonder (Bot. Zeit. 13: 904. 1855); its later whereabouts are unknown, but many lichen specimens of Weber and Mohr are at MB (inf. A. Henssen and T. Ahti). The algae of the Weber and Mohr herbarium are said to be in HBG, "als Bestandteil des Herbarium Lindenberg" (Heering 1902: 353; see TL-2/3: 544). Some very scattered materials have been at KIEL (probably destroyed in World War II) and may be at M (Sayre; possibly a few specimens, inf. H. Hertel).

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 294-295; Backer p. 664; Barnhart 3: 468 (b. 3 Aug 1781, d. 21 Mar 1823); BM 5: 2277; Bossert p. 429; De Toni 1: cxxiv, 2: cxxi; DTS 1: 320; Frank 3 (Anh.): 111; GR p. 53 (correct date of death 1 Mar 1823), cat. p. 73; Herder p. 484 [index]; Jackson p. 243, 428; KR p. 752 ("Frederic"); LS 28432-28437;

Moebius p. 458 [index]; PR 15, 2287, 10029-10036, ed. 1: 11004-11014; Rehder 1: 46, 2: 6; SO 2638a; SY p. 17, 22, 23, 32, 38, 46, 49; TL-1/1393-1397; TL-2/602, 1473, 12.675, see R.A. Hedwig, D.M.H. Mohr, L.C. Treviranus; Urban-Berl. p. 408; Zander ed. 10, p. 730, 731, ed. 11, p. 834.

BIOFILE: Anon., Flora 10(1): 127. 1827 (Nolte succeeds W. as dir. bot. gard. and prof. bot. at KIEL); Mag. neu. Erfahr. Entd. Pharmacie 4: 112. 1823 (d.).
Fischer-Benzon, R. v., *in* P. Prahl, Krit. Fl. Schlesw.-Holst. 2(2): 60-61. 1890.
Heering, W., Schr. naturw. Ver. Schleswig-Holstein 12(2) 352-353. 1902 (mention of a plan to purchase the Weber and Mohr herbarium in 1824; Algae in HBG fide Voigt, Bot. Inst. Hamburg 1901).
Isoviita, P., Ann. bot. Fenn. 16: 277. 1980 (Moss herb. G.H. Weber [sic] lost).
Koster, J.Th., Taxon 18: 558. 1969 (algae at KIEL).
Laundon, J.R., Lichenologist 11: 18. 1978 (herb. of G.H. Weber (father of F.W.): lichens at KIEL, but destroyed).
Nees, C.G. *in* C.F.P. von Martius, Fl. bras. 1(1): 294. 1833.
Nolte, E.H., Novit. fl. holsat. xvii, 1826.
Prahl, P., Schrift. naturw. Ver. Schleswig-Holstein 10: 148. 1895.
Saelan, Th. et al., [Uppdrag att granska och värdera aflidne Professor S.O. Lindbergs efterlemnade mossherbarium]. 14 p. Helsingfors 1890. (Mention of K. Müller possessing Weber and Mohr's moss collection, p. 20).
Sayre, G., Bryologist 80: 520. 1977.
Warming, E., Bot. Tidsskr. 12: 98. 1880.
Zimsen, E., The type material of J.C. Fabricius 15. 1964 (entom. material in J.C. Fabricius coll.).

COMPOSITE WORKS: *Grossbritanniens Conferven.* Nach Dillwyn für deutsche Botaniker bearbeitet ... Göttingen 1803-1805, 4 Hefte, Oct., see TL-2/1473. Translation by F. Weber and D.M.H. Mohr. *Copies*: BR, G, H-UB, NY, PCS; IDC 6418.

EPONYMY: *Weberella* Schmitz (1897) and *Weberus* Krause (1920) may have been named for this author but no etymology was given.

NOTE: We are grateful to P. Isoviita for numerous contributions to the F. Weber entry.

**16.894.** *Index musei plantarum cryptogamarum.* [Kiel] 1803. Qu. (in 2-s). (*Index mus. pl. crypt.*).
*Authorship*: Usually attributed to F. Weber and D.M.H. Mohr; however, from a note in Bot. Zeit. (15 Jan 1805, p. 12) it looks as if Mohr was the sole author (Daniel Matthias Heinrich Mohr, 1780-1808, see TL-2/3: 544-545). Wikström cites Weber and Mohr as the authors and internal evidence speaks in favor of their joint authorship, for example a number of the names of new taxa mentioned in this index (of Weber and Mohr's combined cryptogamic herbarium) were validly published elsewhere, with Weber, Mohr, or Weber et Mohr as authors.
*Publ.*: Aug-Dec 1803, p. [1]-10. *Copies*: G, LINN. – Consists of 5 numbered sheets. – See also SY p. 17. – The material mentioned includes specimens collected by Weber and Mohr in Sweden Mai-Jul 1803.

**16.895.** *Archiv für die systematische Naturgeschichte* herausgegeben von ... Leipzig (in der Schäferischen Buchhandlung) 1804. Oct. †. (*Arch. syst. Naturgesch.*).
*Editors*: Friedrich Weber and Daniel Matthias Heinrich Mohr (1780-1808).
*Publ.*: 11 Mar 1804 (SY p. 23), p. [i]-x, [1]-153, *pl. 1-5* (copp.; nos. 1-3 by O. Swartz, uncol., nos. 4-5 by Besemann, col.). *Copies*: G, PH. – Only volume published: vol. 1(1). Continued as *Beiträge zur Naturkunde.* – Contains e.g. C.P. Thunberg, *Descriptiones nonnullarum specierum plantarum in Australis Africae Promontorio bonae spei sponte crescentium* ... on p. 22-31, *pl. 1*, see also KR p. 710, 58 d.

**16.896.** *Naturhistorische Reise durch einen Theil Schwedens* ... Göttingen (Bei Heinrich Dieterich) 1804. Oct. (*Naturh. Reise Schweden*).

*Publ.*: 15 Apr 1804 (p. xii: Sep 1803; SY p. 23; KR p. 752), p. [i]-xii, [13]-207, [208, err.], *pl. 1-3* (uncol copp.). *Copies*: FH, H, HH, MO, PH (p. 208 blank).

**16.897.** *Botanische Briefe* an Herrn Professor Kurt Sprengel zu Halle. Ein Anhang zu einer Einleitung in das Studium der kryptogamischen Gewächse, für die Besitzer dieses Buchs; von Dr. Fr. Weber ... Kiel (in der neuen academischen Buchhandlung) 1804. Oct. (*Bot. Briefe*).
*Publ.*: 30 Jul 1804 (SY p. 21, 22), p. [1]-111. *Copies*: B-S, G, H, NY, U. – For K. Sprengel, *Anleit. Kenntn. Gew.* Sammlung 3, *Einleitung in das Studium der kryptogamischen Gewächse*, publ. 28 Mar 1804, see TL-2/12.675.

**16.898.** *Beiträge zur Naturkunde.* In Verbindung mit ihren Freunden verfasst und herausgegeben von ... Kiel (in der neuen akademischen Buchhandlung [vol. 2: bei August Schmidt]) 1805-1810, 2 vols. Oct. †. (*Beitr. Naturk.*).
*Editors* (and in part authors): Friedrich Weber and Daniel Matthias Heinrich Mohr (1780-1808).
*1*: 15 Nov 1805-1806 (see SY p. 24, publ. in various "Stücke"; no. 1: 15 Nov 1805 (prospectus dated 15 Nov 1805 has "hat so eben die Presse verlassen"); last part possibly 4 Aug 1806, see SY p. 24), p. [i]-xii, [1]-356, *pl. 1-7* (col. copp., Schüppel, Swartz, Acharius; nos. 1, 4-7 col.; 4-7 by R. Hedwig).
*2*: 19 Sep 1810 (possibly as a single issue; p. i-iv: Ostermesse 1810; SY p. 38), p. [i]-vi, [1]-400, [401, err.], *pl. 1-4* (uncol. copp. E. Acharius). *Copies*: NY, PH, US.

**16.899.** *Botanisches Taschenbuch* auf das Jahr 1807. Deutschland's Kryptogamische Gewächse. Erste Abtheilung. Filices, Musci frondosi et Hepatici ... Kiel (in der akademischen Buchhandlung) 1807. 16-mo. (in 8-s). (*Bot. Taschenbuch*).
*Co-author*: Daniel Matthias Heinrich Mohr (1780-1808).
*Publ.*: 12 Apr 1807 (SY p. 32), p. [ii*], [i]-xlvi, [1]-509, [510, colo.], *pl. 1-12* (col. copp. Lüderitz). *Copies*: B-S, BR, FH, FI, G, H, H-UB, HH, M, MO, NY, USDA. – Alternative t.p.: "*Handbuch der Einleitung in das Studium der kryptogamischen Gewächse.* Praktischer Theil ...", "Die Species sind nicht das Ziel der höhern Naturforschung" (preface p. xv-xvi).

**16.900.** *Tabula exhibens Calyptratarum operculatarum* sive muscorum frondosorum genera auctore Friderico Weber. Kiliae [Kiel] (Christianus Fridericus Mohr) 1813 [1814]. Fol. (*Tab. Calyptr. operc.*).
*Publ.*: 24 Apr 1814 (SY p. 49, 59), 6 p., printed on one side of the paper only. *Copies*: B-S, BM.

**16.901.** *Historiae muscorum hepaticorum prodromus* ... Kiliae [Kiel] (sumta Aug. Hesse, Academiae bibliopolae) 1815. Oct. (*Hist. musc. hepat. prodr.*).
*Publ.*: 1815 (p. 10: Pridie Calend. Jan 1815), p. [1]-160. *Copies*: B, BR, FH, G, HH, KU, MO, NY, PH, U, USDA; IDC 2330.

**16.902.** *Hortus Kiliensis.* Oder Verzeichniss der Pflanzen, welche im botanischen Garten der Christian-Albrechts Universität in Kiel 1822 gezogen werden. Entworfen von Friedrich Weber. Kiel (in der akademischen Buchhandlung) 1822. Oct. (in 4-s). (*Hort. Kiliens.*).
*Publ.*: 1822 (p. viii: Apr 1822), p. [i]-xii, [1]-112, [113, err.], [114, colo.]. *Copies*: B-S, HH, USDA.

**Weber, Georg Heinrich** (1752-1828), German (Hannoverian) physician and botanist; Dr. phil. Göttingen 1774; extraordinary professor of medicine and prosector Univ. Kiel 1777, ordinary professor of medicine and botany ib. 1780; "Archiater" 1790; director of the academic clinic 1802; director of the council for medical services of Schleswig Holstein 1810; Dr. phil. h.c. Göttingen 1824. (*G.H. Weber*).

HERBARIUM and TYPES: Largely unknown. Many collections at KIEL but destroyed during World-War II. Further material collected or contributed by G.H. Weber is listed

for E (via Giseke), W (via Lindenberg), WB (destr.). See Isoviita (1980) for details on the search for G.H. Weber's bryophytes.
*Note* by P. Isoviita: G.H. Weber's herbarium, or parts of it, seems to have been incorporated in his son's (F. Weber, q.v.) herbarium in Kiel. Several early specimens are in the Ehrhart herbarium at MW (according to Hoffmann, *Herb. viv.*, pars 1. 1824). Some further material, including collections made in Holstein (mainly of dates later than Wiggers', q.v., *Prim. fl. holsat.* 1780) were, from the herbaria of Weber's collaborators and students, at KIEL (Prahl 1888-1890, 1895, Schellenberg 1921; material probably destroyed during World War II). The "Originalherbarium Webers, ein kleiner Band sauber bezeichneter Moose" mentioned by Schellenberg (and discussed by Isoviita 1980) was probably the same as the collection which Prahl (1895: 155) described as "ein besonderes kleines Fascikel ... Moossammlung von Frölich mit von ihm selbst zum Theil in Gemeinschaft mit dem älteren Weber und von Hansen gesammelten Moosen" and hence important in this context. (As fas as I can see, Prahl studied all the relevant herbaria and manuscripts available at KIEL. If a real "Originalherbarium Webers" was in existence at that time, Prahl would surely made mention of it).

BIBLIOGRAPHY and BIOGRAPHY: AG 6(2): 926; Backer p. 622; Barnhart 3: 468; BM 5: 2277; Christiansen p. 321 [index]; Dryander 3: 85, 158; GR p. 53 (b. 27 Jul 1752, d.7 Jul 1828), cat. p. 73; Hawksworth p. 186; Herder p. 190, 238; Hortus 3: 1206; Kelly p. 238; Krempelh. 2: 40, 41; LS 28439; Moebius p. 108; PR 6735, 9017, 10037-10039, ed. 1: 7563, 9972, 11012-11014; Rehder 5: 907; SBC p. 134; TL-1/427, 1410-1411; TL-2/6856; Zander ed. 10, p. 730, ed. 11, p. 833.

BIOFILE: Fischer-Benzon, R. v., *in* P. Prahl, Krit. fl. Schlesw. Holst. 2(2): 61. 1890 (also on a ms. note by E.F. Nolte that Weber's herbarium was purchased by F.C. Martens, apothecary at Neustadt in Holstein).
Hagen, I., Norges bryologi 49, 51. 1897 (K. Norske Vid. Selsk. Skr. 1897(3)) (on the journey to Norway made by Weber and J.C. Fabricius in 1778).
Hasse, Staatsbürgerl. Mag. 8: 445-446. 1828 (obit.; n.v., fide Christiansen).
Hornemann, J., Nat. Tidskr. 1: 574-575. 1837.
Isoviita, P., Ann. bot. Fenn. 16: 277. 1980 (no bryological material traced; material at Kiel, destroyed in World War II).
Laundon, J.R., Lichenologist 11: 18. 1979 (lichens destroyed at KIEL[?]).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 779. 1984.
Prahl, P., Krit. Fl. Schlesw.-Holst. 1888-1890 (critical assessment of the Weber material then available at KIEL); Schrift. naturw. Ver. Schleswig-Holstein 10: 148, 155. 1895.
Sayre, G., Bryologist 80: 520. 1977 (coll. bryoph. at "GOET, W", but see Isoviita 1980).
Schellenberg, G., Beih. Bot. Centralbl. Abt. 2. 38: 389-398. 1921 (collections Kiel contain 45 fascicles of bryophytes and include orig. herb. Weber; but see Prahl, 1895 and Isoviita's note above).

COMPOSITE WORKS: F.H. Wiggers, *Primitiae florae holsaticae*, Kiel 1780 (TL-2/17.664), is often attributed to G.H. Weber. It is clear from the preface that G.H. Weber made information available to Wiggers, who, however, is the real publishing author. In citations G.H. Weber's contribution may be properly acknowledged as "G.H. Weber ex Wiggers". The first supplement, 1787 is by G.H. Weber himself (see below), a "supplementum alterum" was published by E.F. Nolte, *Novit. fl. holsat.* 1826, TL-2/6856.

EPONYMY: *Webera* Schreber (1791), *Webera* J.F. Gmelin (1791), *Webera* J. Hedwig (1801), and *Webera* Cramer (1803) may have all honored this author but no derivation was given.

**16.903.** Commentatio botanico-medica sistens *vires plantarum cryptogamicarum medicas* quam una cum adjectis quibusdam thesibus magnifico praeside D. Frider. Christiano Struve ... die vii aprilis mdcclxxiii h.l.q.c. ad disputandum proponit auctor Georgius Henricus Weber goettingensis. Kiliae Holsatorum [Kiel] (Litteris Mich. Friedr. Bartschii, ...) [1773]. Qu. (*Vires pl. crypt. med.*).
*Publ.*: 7 Apr 1773, p. [i-ii], [i*-iv* dedic.], [iii]-xxxii. *Copy*: NSUB.

**16.904.** D. Georgii Henrici Weberi ... *Spicilegium florae goettingensis* plantas imprimis cryptogamicas Hercyniae illustrans ... Gothae [Gotha] (sumptibus Ettingeri) 1778. Oct. (*Spic. fl. goett.*).
*Publ.*: 1778 (p. [viii: 2 Mai 1778]), p. [i-xxiv], [1]-288, [289-304, index], pl. 1/2, 3/4, 5 (col. copp. J.G. Stürm). *Copies*: B, BR, FH, G, GB, H, HH, L, MICH, MO, NY, PH, USDA.

**16.905.** Ordinis medicorum in Academia regia kiloniensi h.t. decanus Georgius Henricus Weber ... candidatorum duorum dignissimorum jam summis in utraque medicina honoribus condecoratorum solemnia inauguralia praemisso *Supplemento florae holsaticae* indicit. Kilonii [Kiel] (Litteris Mich. Frider. Bartschii, ...) [1787]. Oct. (*Suppl. fl. holsat.*).
*Publ.*: 1787 (p. 22: 20 Jul 1787), p. [i], [1]-22. *Copy*: seen in facsimile ed. F.H. Wiggers, *Prim. fl. holsat* 1780, q.v. – See also above, composite works.

**Weber, Joseph** (1856-1908), Luxemburg botanist. (*J. Weber*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 468 (d. 3 Oct 1908); BL 2: 419, 730; Rehder 1: 73.

BIOFILE: Klein, E.T., Bull. Soc. Natural. Luxembourg 10: 322-325. 1908 (obit., portr.; general account, no data).

**16.906.** *Lezeburjesch-latein-fransesch-deitschen Dixionèr fun de Pflanzen* ... [Luxembourg 1890]. Oct.
*Publ.*: 1890, p. [43]-144. *Copy*: BR. – Reprinted and to be cited from Rec. Mém. Trav. Soc. bot. Grand-Duché Luxemb. 12: [43]-144. 1890.

**Weber, Joseph Carl** [Karl] (1801-1875), German (Bavarian) botanical and zoologial artist in Augsburg. (*J.C. Weber*).

HERBARIUM and TYPES: Unknown. – An unpublished "Monographie der Alpenprimeln" 1845, with 2 vols. illustrations is at the Staatsbibliothek München (fide NI).

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 318-321 (b. 16 Jan 1801, d. 25 Oct 1875); Barnhart 3: 468; Jackson p. 292; NI 2: 196 (2119, 2120), 3: 68; PR 10040, ed. 1: 11016; Rehder 1: 383; TL-2/see C.A. Kranz; Tucker 1: 736.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 254: 301. 1965.
Schönach, H., Literatur Flora Tirol Vorarlberg, Feldkirch 1882, nos. 266, 281, 415.

**16.907.** *Die Alpenpflanzen* Deutschlands und der Schweiz in colorirten Abbildungen nach der Natur und in natürlicher Grösse mit einem erläuternden Text ... München (Verlag von Christian Kaiser). 1845-1846. Duod. (*Alpenpfl.*).
*Ed.* [*1*]: 2 vols. were published in 1845 (Hefte 1-8) and 1846 (Hefte 9-16), see D.F.L. von Schlechtendal, Bot. Zeit. 4: 100. 1846. – A new issue, in 4 parts was made in 1852 (BM 5: 2278; Kaiser, Index libr. 12: 523). A supplemental third volume was published along with the second edition in 1868. *Copy*: G (later issue).
*1*: 1845, p. [i], [1]-10, *pl. 1-96* (col. liths.) (a later issue has an extra set of preface pages [1]-12, p. 12 dated "Juni 1856").
*2*: 1846-1847 (Hefte 15-16: Hinrichs 28 Apr-Mai 1847), p. [i], [1]-8, *pl. 1-96*. See Schlechtendal, Bot. Zeit. 7: 462. 1849 "Uber den gänzlichen Unwerth der ... Abbildungen".
*3*: 1856, p. [i], [1]-8, *pl. 1-108*. – Bot. Zeit. 28 Nov 1856.
*4*: 1868, engr. t.p., p. [1]-27, *pl. 301-400*, [1]-6. – *Supplement* zur ersten und zweiten Auflage in drei Bänden".
*Ed. 2*: 1867-1868. *Copies*: B, HH, M, MO. – Mit systematisch geordnetem Text von Dr. Dr. C.A. Cranz.

*1*: [1]-16, [1]-21, *pl. 1-100*, [1]-16.
*2*: [i], [1]-19, *pl. 101-200*, [1]-16.
*3*: [i], [1]-19, *pl. 201-300*, [1]-16.
*4* (supplement) as in ed. 1.
*Ed. 3*: 1872 ("Neu", Bot. Zeit. 9 Feb 1872). *Copies*: G, HH. – Dritte Auflage. Mit systematisch geordnetem Text von Dr. C.A. Cranz. München (id.).
*1*: [i*], [i]-xx, [3]-21, *pl. 1-100*, [1]-18.
*2*: [1]-21, *pl. 101-200*, [1]-18.
*3*: [1]-21, *pl. 201-300*.
*4*: [1]-21, *pl. 301-400*, [1]-18.
*Ed. 4*: 1879 (in 50 Hefte, Hefte 49-50: Bot. Zeit. 5 Sep 1879). *Copies*: BR (issue with t.p. date 1880), NY (2 copies: with t.p.'s 1879 and 1880), MICH (1880), US (1880).
*1*: [i]-xxxi, [1]-25, *pl. 1-100*.
*2*: [1]-31, *pl. 101-200*.
*3*: [1]-29, *pl. 201-300*.
*4*: [1]-31, *pl. 301-400*, *pl.* [*1*]-*35*.

**16.908.** *Flora von Bayern*. In Abbildungen ... München (Verlag von J.C. Weber) 6 vols. 1851-1855. (Oct. and Duod.). (*Fl. Bayern*).
*1*: 1851, p. [1]-32, *pl. 1-108*.
*2*: 1851, p. [1]-35, *pl. 109-216*.
*3*: 1852, p. [1]-26, *pl. 217-324*.
*4*: 1852, p. [1]-27, *pl. 325-432*.
*5*: 1853, p. [1]-31, *pl. 433-540*.
*6*: 1855, p. [1]-23, *pl. 541-648*.
*Copies*: B(1), BR (1-6), HH (1-6), M, NY (1-3). – A new "edition" of 1870 is mentioned by NI (2120).

**Weber-van Bosse, Anna Antoinette** (1852-1942), Dutch phycologist; married W.F. Willink 1871, married Max Weber 1883; studied botany with H. de Vries in Amsterdam; with her husband on expeditions to the East Indies 1888-1889, 1899-1900 (Siboga expedition) and to S. Africa 1894-1895; Dr. phil. h.c. Utrecht 1910. (*Weber-van Bosse*).

HERBARIUM and TYPES: L; other material in B (mainly destr.), BM, C, KIEL, NY. – For a description of the Weber-van Bosse algae collection at L, see Koster (1936). – *Letters* at FH (to W.G. Farlow), G.

NOTE: Second marriage with the German zoologist Max [Carl William] Weber (1852-1937). Max Weber was leader of the Siboga expedition (1899-1900) and edited its reports.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 486 (b. 27 Mai 1852, d. 29 Oct 1942); BJI 1: 62, 2: 188; BM 5: 2276-2277; Bossert p. 429; De Toni 1: cxxix, 4: lviii; IH 1 (ed. 2): 70, (ed. 3): 87, (ed. 6): 366, (ed. 7): 345; JW 1: 449, 2: 203, 4: 413, 5: 255; Kleppa p. 105; SK 1: 564; TL-2/13.486, see F. Hauck, W.F.R. Suringar.

BIOFILE: Anon., Alg. Handelsblad, Amsterdam 26 Mar 1932; Cat. gén. livr. impr. Bibl. natl. 219: 498-499. 1974; Hedwigia 33: 112. 1894 (requests material of Caulerpa); Nat. Nov. 20: 475. 1898 (botanist on Siboga exp.); Nieuwe Rotterdammer Courant 26 Mar 1937; Wie is dat? 1931: 284-285, 1932: 359, 1935, 415.
Dammerman, K.W., Ann. J. Bot. Buitenzorg 45(1): 14, 24. 1935.
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NOTE: The *Études sur des algues de l'Archipel malaisien* 1 (Ann. Jard. bot. Buitenzorg 8: 77-94. *pl. 16-17*. 1890) and 2 (ib. 8: 165-188, *pl. 24-26*. 1890) are a follow-up on a paper on the symbiosis between algae and sponges (*Quelques nouveaux cas de symbiose*) by Max Weber and Weber-van Bosse, published in M. Weber, Zool. Erg. Reise Niederl. Ost-Indien, Leiden (E.J. Brill) 1: 48-73. *pl. 5*. 1890. The papers are reviewed by P. Hariot, Bull. Soc. bot. France 38 (bibl.): 10-11. 1891.

**16.909.** *Étude sur les algues parasites des Paresseux* ... Haarlem (De Erven Loosjes) 1887. Qu. (*Étud. alg. paras. Paresseux*).
*Publ.*: 1887 (Bot. Zeit. 25 Nov 1887; Nat. Nov. Dec(2) 1887), p. [i, iii], [1]-23, [24, expl. pl.], *pl. 1-2* (col. liths. auct.). *Copies*: FH, G, NY. – Issued as Nat. Verh. Holland. Maatsch. Wet. ser. 3. 5(1). 1887. – On algae growing on the hairs of *Bradypides* (sloth; a mammal).
*Ref.*: Flahault, C., Bull. Soc. bot. France 35 (bibl.): 23-24. 1888 (rev.).
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**16.910.** *Monographie des Caulerpes* ... Leyde [Leiden] (Librairie et imprimerie ... E.J. Brill) 1898. Oct.
*Publ.*: 1898 (FH copy rd. in Sep 1898; J. Bot. rev. Nov 1898; Nat. Nov. Oct(1) 1898), p. [i-iii], [243]-401. *pl. 20-34* (uncol. liths. auct.). *Copies*: FH, H; IDC 5518. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg 15: [243]-401, *pl. 20-34*. 1898.
*Ref.*: Rendle, A.B., J. Bot. 36: 455-457. Nov 1898 (rev.).

**16.911.** *Études sur les algues de l'Archipel malaisien* ... Leide [Leiden] (Librairie et imprimerie ... E.J. Brill) 1901. Oct.
*Publ.*: 1901, cover-t.p., p. 126-141, [1, err.]. *pl. 17-19*. *Copy*: NY. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg ser. 2. 2: 126-141. 1901. – For previous publications under this title see note above.

**16.912.** *Een jaar aan boord H.M. Siboga* ... Leiden (Boekhandel en Drukkerij ... E.J. Brill) 1904 [i.e. 1903]. Oct. (*Jaar Siboga*).
*Publ.*: 11 Dec 1903 (Ned. Staatscour. 10 Jan 1904; registered 11 Dec, received 14 Dec 1903), p. [i-ii], frontisp., p. [iii]-xi, [xii, err.], [1]-337. *19 pl. Copies*: U-UB, US ("ed. 2").
*German transl.*: 1905, [i*-ii*], [i]-xii, [xiv], [1]-370, *26 pl.*, map. *Copies*: B, MCZ. – *Ein Jahr an Bord I.M.S. Siboga* ... Leipzig (Verlag von Wilhelm Engelmann) 1905. Oct.

**16.913.** Siboga Expeditie lxi. *The Corallinaceae of the Siboga-Expedition* ... Leiden (late E.J. Brill ...) 1904. Qu. (*Corallinac. Siboga-Exped.*).
*Co-author*: Michael Heggelund Foslie (1855-1909).
*Publ.*: Aug 1904 (cover: publié Août 1904), p. [i-iv], [1]-110, *pl. 1-16* with text (1-13 photogr., 14-16 uncol. liths. J. van Eybergen). *Copies*: B, BR, FH, NSW. – *Cover*: "Siboga-Expeditie, Monographie lxi of: Uitkomsten op zoologisch, botanisch, oceanographisch en geologisch gebied verzameld in Nederlandsch Oost-Indië 1899-

1900 aan boord H.M. Siboga onder commando van Luitenant ter zee 1e kl. G.F. Tydemann. Uitgegeven door Dr. Max Weber, ... Leider der Expeditie.
*Ref.*: De Wildeman, E., Bot. Centralbl. 98: 356-357. 11 Apr 1905 (rev.).
Möbius, M., Hedwigia 44: (9)-(10). 1904 (rev.).

**16.914.** *Note sur le genre Dictyosphaera* Dec. ... [Estratto dalla Nuova Notarisia ... 1905]. Oct.
*Publ.*: Oct 1905 (in journal), cover-t.p., p. [1]-3. *Copy*: BR. – Reprinted and to be cited from Nuova Notarisia 16: [142]-144. 1905.

**16.915.** *Note sur les Caulerpa de l'île Taïti* et sur un nouveau Caulerpa de la Nouvelle-Hollande ... Annales de l'Institut Océanographique ... [Monaco] 1910. Qu.
*Publ.*: 25-30 Oct 1910 (printing finished 25 Oct 1910), cover-t.p., p. [1]-8. *pl. 1-2.* (uncol. heliograv. auth.). *Copies*: BR, FH, NY. – Reprinted and to be cited from Ann. Inst. Océanogr., Monaco 2(1): [1]-8, *pl. 1-2.* 1910.

**16.916.** *Notice sur quelques genres nouveaux d'algues* de l'archipel malaisien ... Leide [Leiden] (Librairie et Imprimerie ci-devant E.J. Brill) 1910. Oct.
*Publ.*: 1910 (Nat. Nov. Aug(1) 1911), cover-t.p., p. [i], [25]-33. *Copies*: BR, NY, U, US. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg ser. 2. 9: 25-33. 1910.

**16.917.** *Sur deux nouveaux cas de symbiose entre algues et éponges* ... Leide[n] (Librairie et Imprimerie ci-devant E.J. Brill) 1910. Oct.
*Publ.*: 1910 (Nat. Nov. Jul(2) 1910), p. [i], [587]-593, [594]. *pl. 16-17* (col. liths. J.F. Obbes). *Copies*: BR, NY, US. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg ser. 2. suppl. 3: [587]-593, [594], *pl. 16-17.* 1910.

**16.918.** *Marine algae, Rhodophyceae, of the "Sealark" Expedition* collected by Mr. J. Stanley Gardiner, ... London (printed for the Linnean Society ...) 1913. Oct.
*Publ.*: Oct 1913 (date on cover), cover-t.p., p. 105-142, *pl. 12-14* (uncol. liths. J. Obbes). *Copies*: BR, US. – Issued as and to be cited from Trans. Linn. Soc. 8(5): 105-142. *pl. 12-14.* 1913.

**16.919.** *Liste des algues du Siboga* ... Leide [Leiden] (Librairie et Imprimerie ci-devant E.J. Brill) 1913-1928. Qu. 4 parts. (*Liste alg. Siboga*).
*General t.p.*: 1928, p. [i*], Leide (id.) 1928.
*1* (Mycophyceae, Chlorophyceae, Phaeophyceae): Sep 1913 (cover; Hedwigia 10 Feb 1914; Bot. Centralbl. 25 Nov 1913; ÖbZ Oct-Dec 1913; Nat. Nov. Nov(1) 1913), p. [i-iii], [1]-186, *pl. 1-5* with text (uncol. liths. J.F. Obbes) Siboga Expeditie vol. lix-a. *Collaborator*: Theodor Reinbold (x-1918).
*2* (Rhodophyceae 1, Protoflorideae, Nemalionales, Cryptonemiales): Apr 1921 (date on cover), cover, p. [i-vi], 1-124 [also: 187-310, *pl. 6-8* with text (id.). – Siboga Expeditie lix-b.
*3* (Rhodophyceae 2, Ceramiales): Jan 1923 (date on cover; rev. Hedwigia 64: (79)-(80). 29 Dec 1923), cover, p. [i-iii], 1-82 (also: 311-392), *pl. 9-10* (id.). – Siboga Expeditie lix-c.
*4* (Rhodophyceae 3, Gigartinales et Rhodymeniales ...): Apr 1928 (date on cover; contents consolidated reprint give Feb 1928 as date of publ.; Hedwigia rev. 68: (57)-(58). Feb 1929; Nat. Nov. Jun 1928), p. [i-v], 1-141 (also: [393]-533), *pl. 11-16* (id.). – Siboga Expeditie lix-d.
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**16.920.** The Percy Sladen Trust Expedition to the Indian Ocean in 1905, ... no. xiv. – *Marine algae: Rhodophyceae* ... London (printed for the Linnean Society) 1914. Qu.
*Publ.*: Jan 1914 (in journal, cover-t.p. so dated), cover-t.p., p. [269]-306, *pl. 16-18. Copy*: NY. – Reprinted and to be cited from Trans. Linn. Soc. London, Zool. 16(3): 269-306, *pl. 16-18.* 1914.

**16.921.** *Rhizophyllidaceae and Squamariaceae* ... Reprinted from F. Børgesen, The marine algae of the Danish West Indies ... 1916. Oct.

*Publ.*: Oct 1916, cover-t.p., p. [127]-146. *Copies*: NY, US. – Reprinted and to be cited from Dansk Bot. Ark. 3(1b): [127]-146. 1916, as part of F. Børgesen, *The marine algae of the Danish West Indies*, vol. 2. *Rhodophyceae*, TL-2/589.

**16.922.** Papers from Dr. Th. Mortensen's Pacific Expedition 1914-16. xxxiii. *Algues de l'expédition aux îles Kei* ... Saertryck af Vidensk. Medd. fra Dansk naturh. Foren. [1926]. Oct.
*Publ.*: Jan 1926 (Vakbl. Biol. Feb 1926, rev. O.C. Schmidt, Hedwigia 67: (8)-(9). Mai 1927), cover-t.p., p. [57]-155. – *Copies*: NY, US. – Reprinted and to be cited from Vid. Medd. Dansk naturh. For. 81: [57]-155. 1926.

**16.923.** *Sur un nouveau genre de Floridés* ... Paris (Laboratoire de Cryptogamie ...) 1929. Oct.
*Publ.*: Dec 1929, cover-t.p., p. [255]-261. *Copy*: US. – Reprinted and to be cited from Ann. Crypt. exot. 2(3-4): [255]-261. 1929. Oct.

**16.924.** *Résultats scientifiques du voyage* aux Indes Orientales néerlandaises de LL. AA. RR. le Prince et la Princesse *Léopold* de Belgique ... *Algues* ... Bruxelles [Brussel] (Musée Royal d'Histoire naturelle ...) 1932. Qu. (*Result. sci. voy. Léopold, Alg.*).
*Publ.*: 31 Mar 1932 (date on cover), cover-t.p., p. [1]-27, *pl. 1-5*. *Copy*: NY. – Issued as Mém. Mus. R. Hist. nat. Belge hors sér. 6, 1932.

**Weberbauer, August** (1871-1948), German (Silesian) botanist and explorer; son of Otto Weberbauer; Dr. phil. Berlin (student of A. Engler) 1894; habil. Univ. Breslau 1898; collected in Peru 1901-1905, returned to Breslau 1905; director of the botanical garden and agricultural station at Victoria, Cameroon 1906-1907; director of the Parque zoológico y botánico de Lima, Peru 1908; professor of botany Universidad Nacional Mayor de San Marcos 1925, Botanico adscrito a la Estación experimental agrícola de la Molina 1932; professor of pharmaceutical botany, faculty of medical sciences Univ. San Marcos 1934. (*Weberb.*).

HERBARIUM and TYPES: B (mainly destr.), MOL, USM; other material DPU, E (bryo. Peru), F, G, GH, H (Peru, Cameroons musci), K, NY, PH, S, U, US, WRSL.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 663; Barnhart 3: 469; Biol.-Dokum. 18: 9806-9807; BJI 1: 62, 2: 188; BL 1: 256, 323; Bossert p. 429; Christiansen p. 237; CSP 19: 503-504; Hortus 3: 1206; IH 1 (ed. 2): 72, (ed. 3): 90, (ed. 6): 153, 366, (ed. 7): 345; Moebius p. 321; TL-2/1712, 15.470, 15.587, 15.691; Tucker 1: 737; Urban-Berl. p. 292, 317, 409.

BIOFILE: Anon., Allg. bot. Z. 12: 88. 1906 (app. Victoria Cameroons); Bol. Soc. geogr. Lima 65(1-2): 89. 1948 (obit.); Bot. Centralbl. 101: 320. 27 Mar 1906 (app. Victoria, Cameroons); Bot. Jahrb. 38 (Beibl. 87): 42. 21 Dec 1906 (professor's title; in Cameroons); Hedwigia 45: (77). 16 Jan (returned from Peru), (161) (appointment Victoria, Cameroons), 1906, 46: (40). 15 Dec 1906 (professor's title; still in Cameroons); Index Amer. bot. lit. 1886-1966. 4: 478. 1969; Nat. Nov. Nov 20: 193. 1898 (habil. Breslau), 28: 272. 1906 (to Victoria, Cameroons).
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Frodin, D.G., Guide standard floras world no. 330. 1984.
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Weberbauer, A., Die Pflanzenwelt der Peruanischen Anden (Veg. Erde 12) 17-29. 1913 (autobiogr. account of expl. in the Andes 1901-1905).

COMPOSITE WORKS: *Rhamnaceae in* EP, Nat. Pflanzenfam. 3(5): 393-427. Oct 1895 [sic not

Jan 1895 as in TL-2/1: 767]. – *Supplement* by A. Engler and A. Weberbauer in *Nachträge* 2-4: 229-230. Oct 1897, and *Ergänzungsheft* 1: 41. 8 Oct 1900.

EPONYMY: *Weberbauera* Gilg et Muschler (1909); *Weberbauerella* Ulbrich (1906); *Weberbaueriella* Ferreyra (1955); *Weberbauerocereus* Backeberg (1942).

**16.925.** *Ueber die fossilen Nymphaeaceen-Gattungen Holopleura* Caspary *und Cratopleura* Weber und ihre Beziehungen zu der recenten Gattung Brasenia ... [Sonderabdruck aus den Berichten der Deutschen botanischen Gesellschaft ... 1893]. Oct.
*Publ.*: 26 Jul 1893 (in journal), cover-t.p., p. [i, recto of 366], [366]-374, *pl. 18* (uncol. lith. auct.). *Copies*: B, G. – Reprinted and to be cited from Ber. deut. bot. Ges. 11(6): [366]-374. 1893.

**16.926.** *Beiträge zur Samenanatomie der Nymphaeaceen.* Inaugural-Dissertation zur Erlangung der Doctorwürde von der philosophischen Fakultät der Friedrich-Wilhelms-Universität zu Berlin genehmigt und nebst beigefügten Thesen öffentlich zu verteidigen am 28. April 1894 ... Leipzig (Wilhelm Engelmann) 1894. Oct.
*Publ.*: 13 Apr 1894 (in journal; thesis between 13 and 28 Apr 1894; Nat. Nov. Apr(2) 1894), p. [1]-30, [1, theses; 2, vita], *pl. 8* (uncol. lith. auct.). *Copies*: B, G, M, US. – Reprinted and to be cited from Bot. Jahrb. 18: 213-258, *pl. 8.* 1894.

**16.927.** *Beiträge zur Anatomie der Kapselfrüchte.* Habilitationsschrift zur Erlangung der venia docendi von der Königlichen Fakultät der Königl. Universität zu Breslau genehmigt und nebst den angehängten Thesen öffentlich zu vertheidigen am 21 Februar 1898 Mittags 12 Uhr im Musiksaale der Universität ... Cassel (Druck von Gebr. Gotthelft, ...) 1898. Oct. (*Beitr. Anat. Kapselfr.*).
*Publ.*: 21 Feb 1898 (Habilitation; Nat. Nov. Jun(2) 1898), p. [1]-52, [53, theses]. *Copies*: B, G, M, NY, US. – Reprinted and partly preprinted from Bot. Centralbl. 73: 54(bis)-59(bis). 11 Jan; 97-105. 20 Jan; 135-142. 26 Jan; 161-168. 2 Feb; 193-202. 9 Feb; 250-257. 16 Feb; 296-302, *pl. 1-2.* 23 Feb 1898.

**16.928.** *Anatomische und biologische Studien* über die Vegetation der Hochlanden Perus. Vorläufige Mitteilung ... [Sonderabdruck aus Engler's Botanischen Jahrbüchern ...] 1905. Oct.
*Publ.*: 19 Sep 1905 (in journal), cover, p. [i, recto of 60], [60]-94. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 37: 60-94. 1905.

**16.929.** *Die Pflanzenwelt der peruanischen Anden* in ihren Grundzügen dargestellt ... Leipzig (Verlag von Wilhelm Engelmann) 1911. Oct. (*Pfl.-Welt peruan. Anden*).
*Publ.*: Mai 1911 (p. vii: Mar 1910; ÖbZ for Mai-Jun 1911; Bot. Centralbl. 25 Jul 1911; Nat. Nov. Jun(1) 1911, see also TL-2/1712), p. [ii]-xii, [1]-355, [356, expl. signs], maps 1-2, *pl. 1-40* (photos). *Copies*: B, BR, G, H, HH, NY, PH, U, US; IDC. – Alternative t.p.: *Die Vegetation der Erde* ... XII ...
*Facsimile ed.*: 1976, J. Cramer in der A.R. Gantner Verlag K-G. FL 9490 Vaduz. – As original. *Copy*: FAS.
*English abstract and additions, in* J.F. Macbride, Fl. Peru 1 (Field Mus. Bot 13: 13-81. 1936).
*Spanish translation*: 1945, *El mundo vegetal de los Andes Peruanos.* Estudio Fitogeográfico ... Nueva edición, revisada y ampliada, de Die Pflanzenwelt der peruanischen Anden, Leipzig ... 1911. Lima (Estacion experimental de La Molina ...) 1945. Oct., p. [i]-xix, [1]-776, [777, colo. dated 15 Jun 1945], *pl. 1-40* (43 in all), map. *Copies*: B, BR, G, H, HH, MO, NY, PH, Wurdack (rev. J. New York Bot. Gard. Dec 1947).
*Ref.*: Diels, L., Bot. Jahrb. 46 (Lit.): 39. 1912.
Weberbauer, A., Bot. Jahrb. 50, Suppl.: 72-94. 1914 (on Vegetation W. Peru).

**16.930.** *Die Vegetationsgliederung des nördlichen Peru* um 5° südl. Br. ... [Botanische Jahrbücher ... 1914]. Oct.
*Publ.*: 25 Mar 1914, cover-t.p., p. [i], [72]-94. *Copy*: HH. – Reprinted and to be cited from Bot. Jahrb. 50 (Suppl.): [72]-94. 1914 (Festband A. Engler).

**16.931.** *Mapa fitogeografico de los Andes Peruanos* ... Lima (Imp. Torres Aguirre) 1923.
*Publ.*: 1923, p. [1]-20, map. *Copies*: G, HH.
*Text*: see *Phytogeography of the Peruvian Andes*, Field Mus. Nat. Hist., Bot. Ser. 13: 13-81. 1936 (in J.F. Macbride, Flora of Peru, part 1).

**16.932.** *Die Pflanzendecke Nordperus* im Departemento Tumbez und angrenzenden Teilen des Departemento Piura ... Sonderabdruck aus Englers Bot. Jahrb. ... [1929]. Oct.
*Publ.*: 15 Nov 1929 (in journal), p.[29]-48, *pl. 1-4*. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 63(1): [29]-48. 1929.

**16.933.** *Plantas tóxicas que sirven para la pesca en el Perú* ... [Lima 1933]. Oct.
*Publ.*: Jul-Dec 1933, in Bol. Direcc. Agric. Ganaderia 3(11-12): [291]-302. 1933. *Copy*: US.

**Weberbauer, Otto** (1846-1881), German (Silesian) mycologist; from 1868 living at Landeck, living on the proceeds of the family brewery. (*O. Weberb.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 469; BM 5: 2279; Herder p. 246; Jackson p. 300, 310; LS 28440; NI 2121.

BIOFILE: Pax, F., Bibl. schles. Bot. 7, 150. 1929.
Stein, B., Jahres-Ber. schles. Ges. vat. Cultur 59: 280-283, 419. 1882 (obit., b. 25 Apr 1846, d. 19 Feb 1881).

**16.934.** *Die Pilze Nord-Deutschlands* mit besonderer Berücksichtigung Schlesiens ... Breslau (J.U. Kern's Verlag ...) 1873-1875, 2 Hefte. Oblong Fol. (*Pilze Nord-Deutschl.*).
*1*: 1873 (Flora 21 Nov 1873; Bot. Zeit. 28 Nov 1873; ÖbZ 1 Jan 1874; Hedwigia Nov 1873), p. [i-iii], [1]-10, *pl. 1-6* (col. liths. auct.).
*2*: 1875 (Bot. Zeit. 26 Mar 1875; ÖbZ 1 Jul 1875; Hedwigia Mai 1875), p. [i], [11]-18, *pl. 7-12* (id.).
*Copies*: B, FH, G, MICH.
*Ref.*: Bary, H.A. de, Bot. Zeit. 32: 15-16. 2 Jan 1874, 33: 240. 1875 (rev.).

**Webster, Angus Duncan** (*fl.* 1890-1920), British (Scottish) horticulturist; manager of private woodlands; from 1896-1920 park superintendent Regents Park, London. (*Webst.*).

HERBARIUM and TYPES: BM, EBH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 469; BL 2: 250, 258, 315, 730; BM 5: 2280; Desmond p. 648; Hortus 3: 1206; LS 28441; MW p. 526; Rehder 5: 907; Tucker 1: 737, 2: xl, 3: 328.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 254: 345-346. 1965; Gard. Chron. 1920(1): 14 (retirement); Gard. Magaz. 1909: 41-42 (portr.).
Kent, D.H. & D.E. Allen, Brit. Irish herb. 269. 1984 (coll.).

EPONYMY: *Websteria* S.H. Wright (1887) honors G.W. Webster (1833-1914), American farmer and botanist.

**16.935.** *British orchids*: containing an exhaustive description of each species, to which is added chapters on structure and other peculiarities, cultivation, fertilization, classification, and distribution, ... Bangor (printed by Nixon and Jarvis, ...) [1887]. Oct. (*Brit. orchids*).
*Publ.*: 1887 (preface date 1886; J. Bot. rev. Apr 1887; Nat. Nov. Mai(1, 2) 1887), p. [i-ii], frontisp., [iii-vi], [1]-103, *7 pl.* (uncol.). *Copy*: NY.
*Ed. 2*: Mai 1898 (Bot. Centralbl. 2 Jun 1898; Bot. Zeit. 16 Jun 1898; Nat. Nov. Jun(2) 1898), p. [i]-xii, [1]-131, [132, index]. *Copies*: HH, PH.

*Ref.*: H.N.R., J. Bot. 25: 119-120. Apr 1887 (rev.).

**16.936.** *Hardy ornamental flowering trees* and shrubs ... London ("Gardening world" office, ...) 1893. Oct. (*Hardy orn. fl. trees*).
*Ed.* [*1*]: 1893, p. [i*-ii*], [i]-ii, [1]-140, [i]-ix. *Copies*: B, HH, MO.
*Ed. 2*: 1897, p. [i*-ii*], [i]-ii, [1]-140, [i]-ix. *Copies*: G, HH, USDA.
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**16.937.** *Hardy coniferous trees* being a concise description of each species and variety, with the most recently approved nomenclature, lists of synonyms, and best methods of cultivation ... London (Hutchinson & Co. ...) 1896. Oct. (*Hardy conif. trees*).
*Publ.*: 1896 (p. vi: Nov 1896), p. [i]-viii, [1]-196. *Copies*: HH, MO, NY(2).

**16.938.** *Coniferous trees* for profit & ornament being a concise description of each species and variety, with the most recently approved nomenclature, list of synonyms, and best methods of cultivation ... London (Constable and Company Ltd.) 1918. Oct. (*Conif. trees*).
*Publ.*: 1918 (Nat. Nov. Mar(1, 2) 1919), p. [i-ii], front., [iii]-xx, 1-298, *27 pl.* (photos). *Copies*: BR, HH, MO, NY, PH, U.
*Ref.*: Boulger, G.S., J. Bot. 57: 102-103. Apr 1919 (rev.).

**16.939.** *London trees* being an account of the trees that succeed in London, with a descriptive account of each species and notes on their comparative value and cultivation ... London (The Swarthmoore Press) 1920. Oct. (*London trees*).
*Publ.*: 1920, p. [i-ii], front., [iii]-xii, [1]-218, *32 pl.* (photos). *Copies*: HH, MO, NY.
*Ref.*: Anon., J. Bot. 59: 79-81. Mai 1921 (rev.).

**Weddell, Hugh Algernon** (1819-1877), British botanist (French by choice) and physician; grew up and worked in France; Dr. med. Paris 1841; associated with Adr. Jussieu; with F. de Castelnau to S. America 1843-1848 (Brazil, Bolivia, Peru); aide-naturaliste at the Muséum d'Histoire naturelle, Paris 1850-1857; visiting Bolivia again in 1853 in search of Cinchona; in 1857 settling in Bagnères-de-Bigorre, from 1861 in Poitiers. (*Wedd.*).

HERBARIUM and TYPES: P, PC. – Other material in B (mainly destr.), BM, BR, E, F, G, H-NYL, L, M, MO, NY, TUR-V. – *Letters* at G, H-UB (79, to W. Nylander), K, U.

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EPONYMY: *Algernonia* Baillon (1858); *Weddellina* Tulasne (1849).

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*Publ.*: Sep 1849, p. [1]-19, *pl. 3* (uncol. liths.). *Copies*: B, G, HH. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 3. 12: 155-173. 1849.

**16.941.** *Histoire naturelle des Quinquinas* ou monographie du genre Cinchona suivie d'une description du genre Cascarilla et de quelques autres plantes de la même tribu ... Paris (chez Victor Masson, ...) 1849. Fol. (*Hist. nat. Quinquinas*).
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*German transl.*: 1865, Dr. M.H.A. Weddell, *Naturgeschichte der Chinabäume* nebst einer Beschreibung des Genus Cascarilla und einiger anderer, verwandter Pflanzen. In deutscher Uebersetzung herausgegeben vom Allgemeinen Österreichischen Apotheker-Vereine. Wien (Selbstverlag des Vereines) 1865, p. [i], [1]-125. *Copies*: HH, NY. ("neu" Flora 17 Apr 1866).

**16.942.** *Additions à la flore de l'Amérique du Sud*, ... Paris (Victor Masson, ...) 1850. Oct.
*Publ.*: Jan-Mai 1850 (in journal), p. [1]-74, [75]-94, map. *Copies*: B-S, MO. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 3. 13: 40-64. Jan, 65-113. Feb, 248-256. Apr, 257-268. Mai 1850.
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**16.944.** *Voyage dans le Nord de la Bolivie* et dans les parties voisines du Pérou ou visite du district aurifère de Tipuani ... à Paris (chez P. Bertrand, ...), à Londres (chez H. Baillière, ...) 1853. Oct. (*Voy. Nord Bolivie*).
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*2*: 1858-1861 (in 9 parts), p. [1]-316, *pl. 43-90. Copies*: BR, G, HH, MO, NY, USDA; IDC 1357.
*Note*: The signatures are dated, but these dates do not always agree wih the dates of receipt by the Académie des Sciences, mentioned by Sherborn and Woodward. The two volumes of the Chloris andina constitute the sixth part of Francis de Castelnau's *Expédition dans les parties centrales de l'Amérique du Sud.* An obituary of de Castelnau is found e.g. in Le Naturaliste 2: 207-208. 1880; see also TL-2/1: 468.
*Facsimile ed.*: 1971, Lehre (J. Cramer), Historiae naturalis classica vol. 89, p. [i*-iv* new preface material], p. [i-ix], [1]-231, [232], [1]-316, *pl. 1-26, 27*, 28-90.* – *Copies*: FAS, NY.

| volume | part | pages | date of sign. | actual dates |
|---|---|---|---|---|
| 1 | 1 | 1-24 | n.d. | 16 Jul 1855 |
| (t.p. 1855) | 2 | 25-56 | Oct 1855 | 3 Dec 1855 |
| | 3 | 57-80 | n.d. | 30 Jun 1856 |
| | | 81-88 | Mar 1856 | 30 Jun 1856. |
| | | 89-136 | Jun 1856 | 30 Jun 1856 |
| | 4-6 | 137-152 | Oct 1856 | 15 Dec 1856 |
| | | 153-168 | Nov 1856 | 15 Dec 1856 |
| | | 169-184 | Nov 1856 | 15 Dec 1856 |
| | 7 | 185-208 | Mai 1857 | 30 Nov 1857 |
| | | 209-216 | Jun1857 | 30 Nov 1857 |
| | | 217-232 | Oct1857 | 30 Nov 1857 |
| 2 | 8 | 1-8 | n.d. | 1 Feb 1858 |
| (t.p.1857) | | 9-16 | Dec 1857 | 1 Feb 1858 |
| | 9 | 17-48 | Mai 1858 | 7 Mar 1859 |

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The 90 plates are numbered 1-26, 27* and 28-90; plate 79bis (see 2: 256, 259, 266) and 82bis (see 2: 304) were probably never published; the asterisk to 27* indicates a cancellans, see Maja, p. 228 in addenda. A copy with the original *plate 27* as well as the cancellans is at NY. The drawings (probably based in part on sketches by Weddell) are by Alfred Riocreux, who also lithographed them.

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**16.949.** *Monographie de la famille des Urticacées* ... Paris (Gide et J. Baudry, ...) 1856 [-1857]. Qu.

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**16.950.** *Mémoire sur le Cynomorium coccineum* parasite de l'ordre des Balanophorées ... Paris (Imprimerie de J.. Claye ...) 1860. Qu. (*Mém. Cynomorium coccineum*).

*Publ.*: 1860, p. [i-iii], [269]-308, *pl. 24-25* (col. by Alfr. Riocreux), *26-27* (uncol., by auct. & Alfr. Riocreux). *Copies*: B, G, H, HH, NY. – Preprinted or reprinted from Arch. Mus. Hist. nat. 10 (3-4): [269]-308, *pl. 24-27*. 1860.

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**16.951.** *Mandonia* nouveau genre de la famille des Composées ... Extrait du Bulletin de la Société botanique de France ... 1864. Oct.

*Publ.*: 1864 (in journal) p. [1]-3, *1 pl.* (uncol.). *Copy*: G. – Preprinted from Bull. Soc. bot. France 11(1): 50-51. late Jan 1865.

**16.952.** *Sur la culture des Quinquinas* communication faite au Congrès international de Botanique tenu à Paris en Août 1867 ... Paris (Imprimerie de E. Martinet ...) 1867. Oct.

*Publ.*: Nov 1867 (after Aug 1867; t.p. volume Actes dates Nov 1867), cover-t.p., p. [1]-7. *Copy*: G. – Reprinted and to be cited from Actes Congr. int. Bot. 1867, p. 37-44.

**16.953.** *Remarks on the generic name Cascarilla* ... Extracted from the Linnean Society's Journal. – Botany ... [1869].

*Publ.*: 30 Dec 1869 (in journal), p. [185]-187. *Copy*: G. – Reprinted and to be cited from J. Linn. Soc., Bot. 11(52): 185-187. 1869.

**16.954.** *Notes sur les Quinquinas* ... Paris (Victor Masson et fils ...) [1869-] 1870. Oct.
*Publ.*: 1869-1870 (in two parts of Ann. Sci. nat., Bot.; reprint dated 1870), p. [1]-75, *pl. 5* (uncol. lith. Alf. Riocreux). *Copies*: G, HH. – Reprinted and to be cited from Ann. Sci. nat., Bot. 11(6): 346-363. [Nov-Dec?] 1869, 12(11): 24-79. [Jan-Feb?] 1870.
*German transl.*: 1871, *Übersicht der Cinchonen* ... Deutsch bearbeitet von Dr. F.A. Flückiger, ... Schaffhausen (Brodtmann'sche Buchhandlung), Berlin (Rudolph Gaertner) Apr 1871. Oct., p. [1]-43. *Copies*: G, HH, M. (Flora 2 Mai 1871, "neu"; Bot. Zeit. 26 Mai 1871 (id.).

**16.955.** *Sur les Podostémacées* en général et leur distribution géographique en particulier ... Paris (Imprimerie de E. Martinet ...) 1872. Oct. (*Podostémacées*).
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**16.957.** *Sur le rôle du substratum dans la distribution des Lichens saxicoles*; ... Extrait des Comptes rendus des séances de l'Académie des Sciences [Paris] 1873. Qu.
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**16.959.** *On a new African genus of Podostemaceae* ... Extracted from the Linnean Society's Journal. – Botany. [1874]. Oct.
*Publ.*: 31 Jul 1874, p. [1]-4, *pl. 13*. *Copy*: B. – Reprinted and to be cited from J. Linn. Soc., Bot 14: 208-211. 1874. – The genus *Angolaea* here described was validly published by Weddell in de Candolle, Prodr. 17: 30. 16 Oct 1873.

**16.960.** *Remarks on a paper* published (Jan., 1874) *by* Dr. W. *Nylander*, in the "Flora" and lately reissued in "Grevillea" ... Reprinted from Grevillea [1874]. Oct.
*Publ.*: 1874, p. [1]-4. *Copies*: (G(2). – Reprinted and to be cited from Grevillea 2: 182-185. 1874. – In reply to a review by Nylander of several of Weddell's lichenologcal papers in Flora 57: 56-63. 1 Feb 1874, also in Grevillea 2: 145-152. 1874. Nylander replied to Weddell in Grevillea 3: 17-22. 1874.

**16.961.** *Florule lichénique des laves d'Agde* ... Paris (Imprimerie de E. Martinet ...) 1874. Oct.
*Publ.*: late Feb 1874 (read 27 Nov 1874; t.p. reprint/preprint 1874; publ. in journal late Feb 1874), p. [1]-22. *Copies*: FH, G, U. – Reprinted and to be cited from Bull. Soc. bot. France 21 (CRS): 330-347. 1874.

**16.962.** *Excursion lichénologique dans l'île d'Yeu*, sur la cote de la Vendée ... Cherbourg (Imp. Bedelfontaine et Syffert, ...) 1875. Oct.
*Publ.*: 1875 (rev. BSbF Jul-Dec 1876; KNAW rd. Jul-Sep 1876; Bot. Zeit. 6 Oct 1876), p. [i], [251]-316. *Copies*: G(2), NY. – Reprinted and to be cited from Mem. Soc. natl. Sci. nat. Cherbourg 19: 251-316. 1875.

**16.963.** *Remarques complémentaires sur le rôle du substratum dans la distribution des Lichens saxicoles* ... Extrait des Comptes rendus des séances de l'Académie des Sciences [Paris] ... 1875. Qu.
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**16.964.** *Les Calamagrostis des Hautes Andes* ... Extrait du Bulletin de la Société botanique de France ... 1875. Oct.
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**16.965.** *Sur ce que l'on appelle espèce en botanique* ... Paris (Imprimerie de E. Martinet, ...) 1876. Oct.
*Publ.*: Jun 1876 (read 26 Nov 1875; cover-t.p. dated 1876, reprint t.p. dated 1874, sic), p.[1]-6. *Copy*: B. – Reprinted and to be cited from Bull. Soc. bot. France 22(CRS): 270-274. 1876.

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*Publ.*: Aug-Sep 1876 (in journal), p. [1]-19. *Copies*: G, H. – Reprinted and to be cited from Bull. Soc. bot. France 23(CRS): 82-99. 1876.

**Weeber, Gustav** (1857-1943), Moravian high school teacher at the Obergymnasium of Friedek [Friedeck, Frýdek] 1896-1917. (*Weeber*).

HERBARIUM and TYPES: BRNM, BRNU.

BIBLIOGRAPHY and BIOGRAPHY: Futak-Domin p. 651; Klásterský p. 201 (b. 20 Apr 1857, d. 19 Aug 1943).

BIOFILE: Hruby, J. & P. Weeber, Verh. naturf. Ver. Brünn 74: xvi-xviii. 1944 (obit., b. 20 Apr 1857, d. 19 Aug 1943).

**16.967.** VI. [VIII]. Jahresbericht des öffentlichen Kommunal-Obergymnasiums in Friedek ... 1. *Flora von Friedek und Umgebung* ... Friedek (Buch- und Steindruckerei von Josef Orel in Friedek) 1901 [-1903]. Qu. (*Fl. Friedek*).
[*1*]: Jul 1901 (ÖbZ for Jul-Aug 1901; Bot. Zeit. 16 Jan 1902; Nat. Nov. Nov(1) 1901), p. [1]-53, [Schulnachrichten: 55]-103, [104-106]. – VI. Jahresbericht (see above). – Rev.: Matouschek, Bot. Centralbl. 89: 553-554. 13 Mai 1902.
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*Copy*: B.

**Weed, Clarence Moores** (1864-1947), American entomologist, botanist and educator; Dr. sci. Ohio State Univ. 1890; with the Ohio Experiment Station 1888-1891; professor of zoology and entomologist New Hampshire College of Agriculture Experiment Station 1891-1904; instructor State Normal School (Lowell State Teachers College), Mass. 1904-1922, president ib. 1922-1935. (*Weed*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 470 (b. 5 Oct 1864); LS 28486-28489, 40454-40460; Rehder 5: 909; Tucker 1: 738.

BIOFILE: Anon., Amer. men sci. eds. 1-6. 1906-1938; Index Amer. bot. lit. 1886-1966. 4: 480-481. 1969; Natl. Cycl. Amer. biogr. 41: 524-525. 1956 (portr.); Science 106: 125. 1947 (d. 18 Jul 1947); The New York Times 20 Jul 1947 (obit.); Who's who Amer. 1-24. 1899-1947; Who's who New England 3: 1325. 1938; Who was who 2: 564. 1950. Melsheimer, E., Ohio State Univ. Bull. 37(5): 366-367. 1932 (list publ.).

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*Publ.*: 1895 (Nat. Nov. Aug(1) 1895), p. [i]-xi, [xii], [1]-142. *Copies*: B-S, MO.

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*Publ.*: 1908 (Bot. Centralbl. 15 Sep 1908), p. [1-2], frontisp., [3]-244. *Copies*: HH, MO, NY.

**Weese, Josef Karl** (1888-1962), Austrian botanist; studied natural and agricultural sciences at the Technische Hochschule, Wien 1906; assistant with F.X.R. von Höhnel ib. 1908-1914; teacher's examination 1912, teacher at a state teacher's college Wien 1914-1920; id. at the Staats-Realschule, Wien 1920; Dr. phil. Univ. Graz; extra-ordinary professor at the Botanical Institute of the Technische Hochschule, Wien 1921-1925; regular professor ad director ib. 1925, dean of the faculty of technical chemistry ib. 1934-1936. (*Weese*).

HERBARIUM and TYPES: *Exsiccatae*: *Eumycetes selecti exsiccati* Lief. 1-32, 1922-1936 (11: 1936, date of fasc. 32 unknown), nos. 1-800. *Copies*: BPI, FH, UPS, W. – For extensive details see J. Stevenson, Beih. Nova Hedw. 36: 498-502. 1971. For accompanying schedae and annotations, published from Lief. 9 onward, see below. Lief. 1-2 came out Nov 1922, 3-4: Jun 1923. Lief. 5-8: came out between 1923 and 1925. For dates of other parts see texts below. Each Lieferung consisted of 25 nos.

BIBLIOGRAPHY and BIOGRAPHY: GR p. 443 (b. 9 Aug 1888, d. 11 Feb 1962), cat. p. 73; Kelly p. 238-239; LS suppl. 29452-29489.

BIOFILE: Anon., Österr. bot. Z. 70: 312. 1921 (app. TH Wien), 74: 288. 1925 (reg. prof.); Wer ist wer, Wien 371. 1937, 239. 1950.
Degener, H.A.L., Wer ist's ed. 9. 1659. 1928.
Pax, F., Bibl. schles. Bot. 15, 117. 1929.

COMPOSITE WORKS: (1) Co-editor and author of Heft 8, C. v. Overeem, *Icon. fung. malay.* 1923-1926, see TL-2/7170.
(2) Edited F. Höhnel, Mykologische Beiträge. I. Mitteilung .... *Über die Gattungen Dematium, Conoplea, Sporodum, Chaetopsis und Mesobotrys* ... Sep. Abdruck a.d. Mitt. a.d. Bot. Inst. d. Techn. Hochschule Wien, vii. Bd., 2. Heft, 1930, p. 41-64. *Copies*: G, NY; II ... *Über einige Patellariaceen* ... id. 7(3). 1930, p. 83-96. *Copy*: NY.
(3) Contributed to K. Keissler, *Nachtrag zur Pilzflora von Juan Fernandez*, 18 Feb 1928, *in* Skottsberg, *Nat. Hist. Juan Fernandez* 4(19), TL-2/12.073.
(4) Published *Generalindex zu* F. v. Höhnel's *Fragmente zur Mykologie* 19-25. Mitteilung, Nr. 1001-1225, Mitt. Bot. Inst. Techn. Hochschule Wien 9: 66-102. 1932. *Copy*: NY; id. *Verzeichnis der Gattungen und Arten* in F. v. Höhnel's Arbeiten: *Fungi imperfecti* ... ib. 10(2): 33-66. 1933, TL-2/2859.
(5) Published *Namensverzeichnis zu F. von Höhnel, Mykologische Beiträge.* 1-7 Mitteilung, Mitt. Bot. Inst. Techn. Hochschule Wien 11(2): 53-74. 1934. *Copy*: NY; *Verzeichnis der*

*Gattungen und Arten* in F. v. Höhnel's Abhandlungen "Beiträge zur Mykologie", i-ix, ib. 11(3): 75-99. 1934. *Copy*: NY.

EPONYMY: *Weesea* F. von Höhnel (1920).

**16.972.** *Hypocreaceen-Studien.* I. Mitteilung ... Abdruck aus dem Centralblatt für Bacteriologie, ... Berlin 1914.
*Publ.*: 1914, p. [587]-613. *Copy*: Stevenson. – Reprinted and to be cited from Centralbl. Bakt. Abt. 2, 42(21/22): 587-613. 1914.

**16.973.** *Beiträge zur Kenntniss der Hypocreaceen* (I. Mitteilung) ... Aus den Sitzungsberichten ... Wien ... 1916. Oct. (*Beitr. Kenntn. Hypocreac.*).
*1*: Jul-Dec 1916 (read 30 Jun 1916; preprint dated 1916; journal issue publ. between 12 Jul and 11 Oct 1917), p. [1]-111, *pl. 1-3. Copies*: FH, Stevenson. – Preprinted from S.B. Akad. Wiss. Wien, math.-nat. Kl. I. 125(7-8): 465-575. 1916; published by 11 Oct 1917, fide Anzeiger Akad. Wiss. Berlin.
*2*: Jul-Dec 1919 (read 10 Jul 1919), cover-t.p., p. [1]-61, *pl.* [*1*]. *Copies*: FH, U. – Id. 128(9-10): 693-753. 1919, published between 8 Jul and 7 Oct 1920, fide Anzeiger 1820: 215.

**16.974.** *Über die Gattungen Melanops* Nitschke *und Thuemenia* Rehm ... Sonderabdruck aus den Berichten der deutschen botanischen Gesellschaft ... 1919. Oct.
*Publ.*: 15 Mai 1919, p. [83]-96. *Copy*: Stevenson. – Reprinted and to be cited from Ber. deut. bot. Ges. 37(1): 83-96. 1919.

**16.975.** *Über die Gattungen Ophiosphaeria* W. Kirschst., *Acanthophiobolus* Berl. und *Ophiochaeta* Sacc. .... Sonderabdruck aus den Berichten der deutschen botanischen Gesellschaft ... 1921. Oct.
*Publ.*: 28 Apr 1921, p. [114]-120. *Copy*: NY. – Reprinted and to be cited from Ber. deut. bot. Ges. 39(3): [114]-120. 1921.

**16.976.** *Beitrag zur Kenntnis der Gattung Calonectria ... 2. Mitteilung.* [Sonderabdruck aus den Mitteilungen aus dem botanischen Laboratorium der Techn. Hochschule in Wien ... 1924]. Oct.
*Publ.*: 1924, p. [i], 51-64. *Copy*: G. – Reprinted and to be cited from Mitt. bot. Lab. Techn. Hochsch. Wien 2: 51-64. 1924. – Preceded by a first contribution with the same title in Mycol. Centralbl. 4: 121-132, 177-187. 1914.
*Id. 3. Mitteilung*: 1927, p. 18-28. *Copy*: G. – Id. 4(1): 18-28. 1927.

**16.977.** J. Weese, *Eumycetes selecti exsiccati.* [Texts accompanying Lief. 9-31, 1925-1936]. Oct. (*Eumyc. select. exs.*).
*Lief. 9* (nos. 221-225): 1925, labels reprinted, sometimes with additional notes, in Mitt. bot. Inst. Techn. Hochsch. Wien 2(1): 17-26. 1925.
*10* (nos. 226-250): 1926. – Id. 3: 33-48. 1926.
*11* (nos. 251-275): 1926. – Id. 3: 81-94. 1926.
*12* (nos. 276-300): 1927. – Id. 4: 1-17. 1927.
*13* (nos. 301-325): 1928. – Id. 5: 23-32. 1928.
*14* (nos. 326-350): 1928. – Id. 5: 33-43. 1928.
*15* (nos. 351-375): 1929. – Id. 6: 81-92. 1929.
*16* (nos. 376-400): 1930. – Id. 7: 1-14. 1930.
*17* (nos. 401-425): 1930. – Id. 7: 17-28. 1930.
*18* (nos. 426-450): 1930. – Id. 7: 65-74. 1930.
*19* (nos. 451-475): 1930. – Id. 7: 75-82. 1930.
*20* (nos. 476-500): 1931. – Id. 8: 29-32, 41-45. 1931.
*21* (nos. 501-525): 1931. – Id. 8: 46-58. 1931.
*22* (nos. 526-550): 1932. – Id. 9: 12-21. 1932.
*23* (nos. 551-575): 1932. – Id. 9: 25-32, 48-53. 1932.
*24* (nos. 576-600): 1933. – Id. 10: 1-12. 1933.
*25* (nos. 601-625): 1933. – Id. 10: 67-75. 1933.
*26* (nos. 626-650): 1933. – Id. 10: 76-86. 1933.

*27* (nos. 651-675): 1934. – Id. 11: 1-12. 1934.
*28* (nos. 676-700) 1934. – Id. 11: 13-23. 1934.
*29* (nos. 701-725): 1934. – Id. 11: 24-26, 33-52. 1934.
*30* (nos. 726-750): 1935. – Id. 12: 1-32. 1935.
*31* (nos. 751-775): 1936. – Id. 13: 1-29. 1936.

No published texts are known of Lief. 1-8, and 32. The date of Lief. 32 is unknown. An almost complete set of reprints of the above-mentioned schedae and notes is at G.

**16.978.** *Über die Gattung Bionectria* Speg. [Sep. Abdruck a.d. Mitt. a.d. Bot. Institut d. Techn. Hochschule Wien ... 1927]. Oct.
*Publ.*: 1927, [i, recto of 116], 116-118. *Copy*: G.– Reprinted from Mitt. Bot. Inst. Techn. Hochsch. Wien 4(3): 116-118. 1927.

**16.979.** *Über die Gattung Steinia* Kbr. ... [Sep. Abdruck a.d. Mitt. a.d. bot. Institut d. Techn. Hochsch. Wien ... 1928. Oct.
*Publ.*: 1928, p. 119-122. – Reprinted and to be cited from Mit. bot. Inst. Techn. Hochsch. Wien 5(3): 119-122. 1928.

**16.980.** *Über die Gattung Creonectria* Seaver ... Mitt. ... Wien ... 1930. Oct.
*Publ.*: 1930, p. 33-39. *Copy*: G. – Issued and to be cited as Mitt. bot. Inst. Techn. Hochsch. Wien 7(2): 33-39. 1930.

**Wegelin, [Antonius] Theodoor** (*fl.* 1837), Swiss (Sankt-Gallen) botanist and physician; Dr. med. Zürich 1838. (*Wegelin*).

HERBARIUM and TYPES: Some material at B (mainly destr.).

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2283; Herder p. 181; PR 10120, ed. 1: 11105; Rehder 1: 434; Urban-Berl. p. 284.

EPONYMY: *Wegelina* A.N. Berlese (1900).

**16.981.** *Enumeratio stirpium florae helveticae* secundum ordines naturales disposita. Dissertatio inauguralis quam consensu et auctoritate gratiosi medicorum ordinis in alma Universitate litteraria Turicensi ut summi in medicina, chirurgia et arte obstetricia honores rite sibe concedantur die xxiii. Septembris anni mdcccxxxvii. Publice defensurus est auctor Antonius Theodorus Wegelin Sangallensis. Turici [Zürich] (typis Orellii Fuesslini et sociorum) 1837. Oct. (*Enum. stirp. fl. helv.*).
*Publ.*: 23 Sep 1837 (Hinrichs rd. at Leipzig 5-11 Nov 1837), p. [i]-viii, [1]-82, [83, theses]. *Copies*: B-S, G, HH, LC, NY.
*Commercial ed.*: 1838 (t.p.), p. [i], [1]-82. *Copy*: G.

**Wegelin, Heinrich** (1853-1940), Swiss botanist; professor of botany at the Kantonschule of Thurgau in Frauenfeld and director of its botanical garden 1890-1920. (*H. Wegelin*).

HERBARIUM and TYPES: Unknown. Some fungi from Switzerland in E, WRSL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 470; BFM 995; BL 2: 582, 730; LS 28490-28491.

BIOFILE: Gager, C.S., Brooklyn Bot. Gard. Rec. 27(3): 336. 1938.

**16.982.** *Beitrag zur Pyrenomycetenflora der Schweiz* ... Sonderabdruck aus Heft xi. der Mitteilungen der Thurg. naturf. Gesellschaft. [1894]. Oct.
*Publ.*: 1894, p. [1]-12, *pl. 1-2*. *Copies*: G, Stevenson. – Reprinted and to be cited from Mitt. Thurg. naturf. Ges. 11: 1-12, *pl. 1-2*. 1894.
*Continuation*: 1896, p. [168]-183. *pl. 2-3*. *Copy*: Stevenson. – Id. 12: [168]-183, *pl. 2-3*. 1896.

**Wehmer, Carl [Friedrich Wilhelm]** (1858-1935), German (Hannoverian) botanist; studied at Göttingen, Jena and Berlin 1877-1881, 1884-1886; Dr. phil. Göttingen 1886; assistant Botanical Institute Univ. Marburg 1888; id. Leipzig 1890; habil. Techn. Hochschule Hannover 1892; lecturer ib. 1892-1898; professor's title 1898; professor of bacteriology and technical mycology 1910-1918; regular professor 1918 (1919). (*Wehmer*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 214, 222, 321, 348; Barnhart 3: 471 (b. 20 Oct 1858, d. 11 Jan 1935); BFM 2817; Biol.-Dokum. 18: 9816-9817; BL 1: 5, 323, 2: 7, 730; BM 5: 2283-2284; Bossert p. 430; Hirsch p. 318; Kelly p. 239; LS 28498-28561a, 40462-40473, 41834, suppl. 29494-29544; MW p. 526; Rehder 5: 909; Stevenson p. 1262; Tucker 1: 738; Urban-Berl. p. 284.

BIOFILE: Anon., Angew. Chemie 48(7): 132. 1935 (obit.); Ber. deut. chem. Ges. A-68: 45. 1935 (obit. not.); Bot. Centralbl. 50: 95. 1892 (habil.), 108: 592. 1908 (address), 113: 352. 1910 (prof. techn. mycol.), 140: 64. 1918 (regular hon. prof. TH Hannover); Bot. Zeit. 50: 453. 1892 (lecturer botany TH Hannover); Hedwigia 39: (222). 1900 (prix de Candolle), 75: (166). 1936 (d.); Jahrb. Wiss. Bot. 56: 831. 1915 (publ. as student of Pfeffer); Nat. Nov. 20: 622. 1898 (bot. prof.), 41: 30. 1914 (regular hon. prof.).
Degener, H.A.L., Wer ist's ed. 4. 1514-1515. 1906, ed. 5. 1571, ed. 6. 1731. 1912, ed. 7. 1815. 1914, ed. 8. 1658. 1922, ed. 9. 1661. 1928, ed. 10. 1831. 1935 (d. 10 Jan 1935).
Jahn, E., Ber. deut. bot. Ges. 52: (223)-(234). 1934 (obit., portr., bibl. 143 nos).
Koch, R., Zentralbl. Bakteriol. Abt. 2. 93: 417-420. 1936 (obit., portr.).
Poggendorf, J.C., Biogr.-lit. Handw.-Buch 4(2): 1608. 1904, 5: 1344-1345. 1926, 6(4): 2828-2829. 1940, 7a (suppl.): 754. 1971.
Schmid, B. & C. Thesing, Biologen-Kalender 1: 340-341. 1914.
Verdoorn, F., ed., Chron. bot. 2: 140, 152. 1936.

**16.983.** *Beiträge zur Kenntnis einheimischer Pilze* I. ... Hannover und Leipzig (Hahn'sche Buchhandlung) 1893. Oct. (*Beitr. einh. Pilze*).
*1*: Jul 1893 (p. iv: Mai 1893; ÖbZ for Jul 1893; Bot. Centralbl. 9 Aug 1893; Bot. Zeit. 1 Sep 1893; "Autoreferat" Bot. Centralbl. 28 Mar 1894; Nat. Nov. Aug(1) 1893), p. [i]-vii, [1]-92, *pl. 1-2*. – "Zwei neue Schimmelpilze als Erreger einer Citronensäure-Gärung".
*2*: Jul 1895 (p. iv: Jan 1895; Bot. Zeit. 16 Sep 1895; Bot. Centralbl. 18 Sep 1895; Bot. Zeit. 16 Nov 1891; Nat. Nov. Aug(1) 1895), p. [i]-iv, [v-vi], [1]-184. *pl. 1-2*. – Jena (Verlag von Gustav Fischer) 1895.
*3*: 1915 (Bot. Centralbl. 17 Aug 1915; Nat. Nov. Jun(1, 2) 1915), p. [i*], [i]-iv, [1]-99, [100-102], *pl. 1-2*. – *Experimentelle Hausschwammstudien*. Jena (id.) 1915.
*Copies*: B, BR, FH, G, H, NY, Stevenson.

**16.984.** *Mykologische Beobachtungen aus der Umgebung Hannovers*, ... Hannover 1894. Oct.
*Publ.*: Mar 1894 (Bot. Centralbl. 4 Apr 1894; Nat. Nov. Apr(2) 1894), cover, p. [1]-56, *1 pl. Copy*: FH. – Reprinted and to be cited from Jahresber. Naturh. Ges. 42-43: 37-90. *1 pl.* 1894.

**16.985.** *Die Pilzgattung Aspergillus* in morphologischer, physiologischer und systematischer Beziehung unter Berücksichtigung der mitteleuropaeischen Species ... Genève (Imprimerie Ch. Eggimann & C^ie ...) 1901. Qu. (*Pilzgatt. Aspergillus*).
*Publ.*: Aug 1901 (ÖbZ Sep-Oct 1901; Bot. Zeit. 1 Oct 1901; Bot. Centralbl. 11 Sep 1901; Nat. Nov. Sep(1) 1901), p. [3]-157, [159, cont.], *pl. 1-5* (liths. auct.). *Copies*: FH, G, H, NY, Stevenson. – Issued as Mém. Soc. Phys. Hist. nat. Genève 23(2), no. 4. 1901. – Mémoire couronné ... prix de Candolle.

**16.986.** *Die Pflanzenstoffe* botanisch-systematisch bearbeitet. Chemische Bestandteile und Zusammenstellung der einzelnen Pflanzenarten, Rohstoffe und Produkte. Phanerogamen ... Jena (Verlag von Gustav Fischer ...) 1911. Oct. (*Pfl.-Stoffe*).

*Ed.* [*1*]: Jan 1911 (p. viii: Jan 1911; ÖbZ for Jan 1911; Nat. Nov. Mar(2) 1911), p. [i]-xvi, [1]-937, [938, colo.]. *Copies*: BR, H, HH, MO, NY, PH, U.
*Ed. 2*: 1929-1931, 2 vols. *Copies*: B, BR, NY.
*1*: Oct 1929 (p. xi: 15 Aug 1929; Nat. Nov. Nov 1929), p. [i]-xi, [xiii-xvi], [1]-640.
*2*: Jul 1931 (p. iv: Whitsun 1931; Nat. Nov. Aug 1931), p. [i]-iv, [v], [641]-1511, [1512, colo.].
*Ed. 2, Ergänzungsband* zur zweiten Auflage: Nachträge aus den Jahren 1930-1934: 1935 (p. iv: Jul 1935; Nat. Nov. Jan 1936), portr., p. [i]-iv, [1]-244. *Copies*: B, BR. – Mitbearbeitet von Magdalene Hadders. Aus dem Nachlass herausgegeben von Dr. Hans Amelung ... Jena (id.) 1935. Oct.

**16.987.** *Coremium silvaticum* n.sp. nebst Bemerkungen zur Systematik der Gattung Penicillium ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1914. Oct.
*Publ.*: 25 Jun 1914, p. [373]-384. *Copy*: G. – Reprinted and to be cited from Ber. deut. bot. Ges. 32(5): [373]-384. 1914.

**Wehmeyer, Lewis Edgar** (1897-1971), American botanist; Dr. phil. Univ. Michigan 1925; Emma J. Cole Fellowship ib. 1922-1925; Natl. Research Council fellow Harvard Univ. 1925-1928; instructor in botany Univ. Michigan 1928, asst. prof. 1931, assoc. prof. 1937; regular professor 1947-1967; professor emeritus 1967-1971. (*Wehmeyer*).

HERBARIUM and TYPES: MICH; personal herbarium at DAOM. – Other material at FH, GH, M, TRTC. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 471 (b. 1 Jan 1897); Bossert p. 430; Hirsch p. 318; IH 1 (ed. 6): 366, (ed. 7): 346; LS suppl. 29545-29555; MW p. 526; Roon p. 122; Stevenson p. 1262.

BIOFILE: Anon., Amer. men sci. eds. 4-11. 1927-1963; Index Amer. bot. lit. 1886-1966. 4: 481-482. 1969; Natl. Cycl. Amer. biogr. 57: 107. 1977; Who's who Amer. 28-32. 1954-1963; Who was who Amer. 5: 764. 1969-1973 (d. 11 Sep 1971).
Hanlin, R.T., ed., Mycologia Memoir 6: i-vii. 1975 (biogr., bibl., portr.).
Rogers, D.P., A brief history of mycology in N. America ed. 2. 36, 54. 1981.
Verdoorn, F., ed., Chron. bot. 2: 331. 1936, 5: 372. 1939.

NOTE: Outside our period: *World monograph of the genus Pleospora* and its segregates, Ann Arbor, 1961, 451 p. and: *The Pyrenomycetous fungi*, Mycologia memoir no. 6, ed. by R.T. Hanlin (with biogr., bibl., portr.), Lehre (J. Cramer) 14 Jan 1976, ii, viii, 250 p., ISBN 3-7682-0967-91.

**16.988.** *A biologic and phylogenetic study of the stromatic Sphaeriales* ... A dissertation submitted ... for the degree of Doctor of philosophy in the University of Michigan, June, 1925. Reprinted from American Journal of Botany ... 1926. Oct.
*Publ.*: 1-5 Jan 1927 (for 1926), cover-t.p., p. 575-645. *Copies*: MICH, NY, Stevenson. – Reprinted and to be cited from Amer. J. Bot. 13: 575-645. "Dec 1926", i.e. 1-5 Jan 1927.

**16.989.** *The genus Diaporthe* Nitschke and its segregates ... Ann Arbor (University of Michigan Press) 1933. (*Diaporthe*).
*Publ.*: Dec 1933 (date of printing; copyright date 1934, t.p. 1933; Mycologia 1 Jun 1934), p. [i]-x, [xi-xii], 1-349, *pl. 1-18. Copies*: B, BR, FH, G, H, HH, MICH, MO, NY, PH, Stevenson, USDA. – Univ. Mich. Stud., Sci. Ser. 9.
*Ref.*: Wakefield, E.M., Bull. misc. Inf. Kew 1934: 224-226 (rev.).

**16.990.** *Contributions to a study of the fungous flora of Nova Scotia I* ... Reprinted from Papers of the Michigan Academy of Science, ... 1935.
*1*: Mai 1935, p. [233]-266, *pl. 51-52. Copies*: NY, Stevenson. – Reprinted and to be cited from Pap. Mich. Acad. Sci. 20: 233-266, *pl. 51-52*. 1935 (for 1934).

*2*: 1936, p. 163-197, [198], *pl. 26-27*. *Copy*: Stevenson. – Id. 21: 163-197 [198], *pl. 26-27*. 1936. – Co-author: Alexander H. Smith.
*3*: 1936, p. 209-213. *Copies*: NY, Stevenson. – Id. 21: 209-213. 1936. With Karel Cejp.
*4*: Mar 1940, cover-t.p., p. 92-110, *pl. 1*. *Copies*: NY, Stevenson. – Id. Canad. J. Res. 18: 92-110, *pl. 1*. Mar 1940.
*5*: Nov 1940, p. [535]-549, *pl. 1*. *Copies*: NY, Stevenson. – Id. Canad J. Res. 18: 535-549. Nov 1940.
*6*: Dec 1942, cover-t.p., p. 572-594. *Copies*: NY, Stevenson. – Id. Canad. J. Res. C 20: 572-594. Dec 1942.

**16.991.** *Las especies de Diaporthe* en el herbario Spegazzini ... Buenos Aires (Imprenta y casa editora Coni ...) 1938. Oct.
*Publ.*: 1938 (p. 88: 18 Oct 1938), cover-t.p., p. [65]-88, *3 pl.* with text. *Copy*: NY. – Reprinted and to be cited from Rev. Mus. La Plata ser. 2. 2(Bot.): 65-88. 1938.
*Addenda*: 1938 (p. 102: 7 Nov 1938), cover-t.p., p. [99]-102. *Copies*: NY, Stevenson. – Id. Notas Mus. La Plata 3 (Bot. 19): 99-102. 1938.

**16.992.** *A revision of Melanconis, Pseudovalsa, Prosthecium and Titania* ... Ann Arbor (The University of Michigan Press), London (Humphrey Milford), Oxford (Oxford University Press) 1941. Oct. (*Revis. Melanconis*).
*Publ.*: 1941, p. [i]-viii, [1]-161, *pl. 1-11*. *Copies*: BR, G, H, NY. – Univ. Mich. Studies, Sci. Ser. 14.
*Facsimile ed.*: 1973, Lehre (Verlag von J. Cramer), Bibl. mycol. 41, as original. *Copy*: FAS. – ISBN 3-7682-0929-6.

**Wehrhahn, Wilhelm** (1857-1926), German (Hannoverian) high school teacher and botanist; studied at the Hannover Teacher's College 1879-1882; assistant teacher at Kloster 1882; employed in the Hannover school system from 1885, teacher at the Kleinenfelde high school 1898, from 1920 as director. (*Wehrhahn*).

HERBARIUM and TYPES: Bryophyta exsiccata Hannoverana fasc. 1-3, nos. 1-150. 1908-1909. Sets at BM, FH.

BIOFILE: Koppe, F., Abh. Naturw. Ver. Bremen 36: 240, 250, 257. 1964.
Oberschelp, R., Gesamtverz. deut. Schriftt. 142: 161. 1981.
Sayre, G., Mem. New York Bot. Gard. 19(2): 172. 1971 (coll.).
Seeland, H., Mitt. Herm. Roemer Mus. Hildesheim 41: 13, 28. 1936.
W.M., Jahresber. Naturh. Ges. Hannover 75-80: v-vii. 1930 (obit.).

**16.993.** *Flora der Lebermoose* des Gebietes der Stadt Hannover und des südlichen Teils von Calenberg bis Hameln. Ein Beitrag zur Heimatforschung ... [Hannover 1907]. Oct.
*Publ.*: 1907, p. [i], 137-163, *1 pl.* *Copy*: B. – Reprinted and to be cited from Jahresber. Naturh. Ges. Hannover 55-57: 137-163. *1 pl.* 1907.

**16.994.** *Flora der Laub- und Lebermoose* für die Umgebung der Stadt Hannover. Eine geographisch-floristische Heimatkunde für das Gebiet ... Hannover (Druck und Verlag: C.V. Engelhard & Co., ...) 1921. Oct. (*Fl. Laub. Leberm.*).
*Publ.*: 1921 (p. [6]: Sep 1921), p. [1]-126, *11 pl.* *Copies*: B, Buck, BR, FH, G, MO, U.

**Weidmann, Antonín** (1850-1915), Bohemian botanist and teacher in various towns in Bohemia, ultimately in Třeboň (Wittingau). (*Weidmann*).

HERBARIUM and TYPES: PR. – Some further material in B (extant), OXF.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 471; Klásterský p. 201 (b. 15 Jan 1850, d. 10 Jul 1913); Maiwald p. 232, 233, 235.

BIOFILE: Ambrož, J., Věda přír. 11: 266-268. 1930.
Anon., Preslia 52: 352. 1980 (b. 15 Jan 1850, d. 10 Jul 1915).

Schmid, B. & C. Thesing, Biologen-Kalender 1: 341. 1914.
Slavik, B., Preslia 52: 352. 1980 (biogr. note; herb. PR).

**16.995.** *Prodromus českých mechu listnatých* ... v Praze [Praha, Prag] (Nakladatel Alois Wiesner, ...) 1895, 2 parts. Oct. (*Prodr. česk. mechu listnat.*).
*1* (*Acrocarpae*): 1895 (p. vii: 18 Aug 1894; ÖbZ for Feb 1896; AbZ 15 Feb 1896 (rev.); Nat. Nov. Mar(1) 1896), p. [i]-xiii, [1]-178, *pl. 1-17.*
*2* (*Pleurocarpae*): 1895 (ÖbZ for Feb 1896; AbZ rev. 15 Feb 1896; Nat. Nov. Mar(1) 1896), p. [179]-349, [350, err.], *pl. 18-38.*
*Copies*: FH, MO. – Sborník Učitelský vol. 10. (Prodromus of the Bohemian mosses).

**Weigel, Christian Ehrenfried** [after 1806 von Weigel] (1748-1831), German (Mecklenburg) botanist and chemist; Dr. med. Göttingen 1771; lecturer and supervisor of the botanical garden Greifswald 1772; professor of chemistry and pharmacy and director of the botanical garden Greifswald 1775-1831. (*Weigel*).

HERBARIUM and TYPES: JE. – Further material in B (mainly destr.), LINN, UPS (Thunberg). – Specimens attributed to this collector in H-Br. were collected by Th. Osw. Weigel. – *Letters* at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 464 (b. 2 Mai 1738, d. 8 Aug 1831); Backer p. 623; Barnhart 3: 471; BM 5: 2284; CSP 6: 303; Dryander 3: 43, 82, 123, 163; DSB 14: 224-225 (b. 24 Mai 1748); Frank 3 (Anh.): 111; GR p. 53, cat. p. 73; Hawksworth p. 186; Hegi 7: 561; Herder p. 149, 157, 190; Hortus 3: 1206; IH 1 (ed. 6): 366, (ed. 7): 346; Jackson p. 308; KR p. 753; LS 28565-28566; PR 10123-10128, ed. 1: 11107-11112; Rehder 5: 910; SBC p. 134; SO 650df; TL-2/see C.P. Thunberg; Tucker 1: 738; Zander ed. 10, p. 731, ed. 11, p. 834.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 254: 684-685. 1965; Cat. gén. livr. impr. Bibl. natl. 1018-1019. 1974; Neu. Nekrol. Deutschen 9(2): 699-705. 1833.
Anselmino, Mitt. naturw. Ver. Neuvorpommern Rügen 38: 116-124. 1907 (biogr. sketch, portr.).
Ferchl, F., Chem.-pharm. Bio- und Bibliographikon 571-572. 1938.
Gertz, O., K. Fysiogr. Sällsk. Lund 1772-1940. Hist. överbl. 87, 221. 1940.
Jackson, B.D., Proc. Linn. Soc. 134 (suppl.): 21. 1922 (plants from Greifswald in LINN).
Meyer, F.K. & H. Manitz, Reichtümer und Raritäten, Jenaer Reden und Schriften 1974, p. 91 (herb.).
Meusel, J.G., Das gelehrte Teutschland ed. 5. 21: 413-414. 1827.
O., Dict. sci. méd., Biogr. 7: 485-486. 1825.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1283. 1863, 3: 757. 1971 (b. 24 Mai 1748).
Valentin, J., Festschr. 500-Jahrfeier Univ. Greifswald 2: 472-475. 1950.
Wittrock, V.B., Acta Horti Berg. 3(2): 146. 1903 (portr.).

HANDWRITING: S. Savage, Cat. Linn. herb. 1945 fig. 10.

EPONYMY: *Weigela* Thunberg (1780); *Weigelastrum* Nakai (1936).

**16.996.** *Flora pomerano-rugica* exhibens plantas per Pomeraniam anteriorem suecicam et Rugiam sponte nascentes methodo Linneana secundum systema sexuale digestas cum differentiis specificis [,] nominibus germanicis [,] officinalibus pharmacopoeorum [,] locis natalibus [,] tempore florendi [,] obscuriorum descriptionibus ... Berolinae [,] Stralsundiae et Lipsiae (apud Gottl. Aug. Lange) 1769. Oct. (*Fl. pomer.-rugic.*).
*Publ.*: 1769 (p. vi: 22 Feb 1769; NZgS 15 Feb 1770), p. [i-lii], [1]-222, [223-256, indexes], [257-258, err.]. *Copies*: B, G, HH, USDA.

**16.997.** *Observationes botanicae* ... Gryphiae [Greifswald] (apud Ant. Ferd. Röse) 1772. Qu. (*Observ. bot.*).

*Publ.*: 1772 (p. viii: 31 Mar 1772), p. [i-viii], [1]-51, [1-4, expl. pl.], *pl. 1-3* (uncol. copp. auct.). *Copies*: G, HH, MO, NY, Stevenson, USDA.

**16.998.** *Index seminum et plantarum horti gryphici systematicus.* Gryphiae [Greifswald] (Impensis academicis. Litteris Rösianis) 1873. Oct. (*Index hort. gryph.*).
*Publ.*: 1773 (p. ii: 30 Aug 1773), p. [i-ii], [1]-20. *Copy*: B-S.

**16.999.** *Dissertatio* academica, *sistens hortum gryphicum.* Quam praeside ... Chr. Ehrenfr. Weigel, ... publico examini submittit Laurentius Timon Grönberg, Ostro-Gothus. In auditorio majori die [ ] Augusti mdcclxxxii. Hor. consuet. Gryphiae [Greifswald] (Litteris Ant. Ferd. Röse, ...) [1782]. Qu. (*Diss. hort. gryph.*).
*Publ.*: Aug 1782, p. [1]-36. *Copies*: B-S, HH, NY, USDA.

**17.000.** *Fructus Javae esculenti* eorumque usus cum diaeteticus tum medicus, quos dissertatione diaetetico-medica consensu gratiosae facultatis medicae, praeside ... Christ. Ehr. Weigel ... pro gradu doctoris publico examini submittit auctor Claudius Fr. Hornstedt, ... O. Gothus. In Aud. maj. d. vii. Sept. a. mdcclxxxvi. Horis solitis. Gryphiae [Greifswald] (apud Ant. Ferdinand Röse, ...) [1786]. Qu. (*Fruct. Jav. escul.*).
*Author*: Claës Fredric Hornstedt (1758-1809), see KR p. 307-308.
*Publ.*: 7 Sep 1786, p. [1]-31, [32-33]. *Copies*: B-S, HH.

**Weigel, Johann Adam Valentin** (1740-1806), German (Franconian) botanist, entomologist and clergyman; went to school and pursued his studies under the guidance of C.J. Trew at Nürnberg; studied theology at Leipzig; from 1761-1768 teacher at Halle; private teacher in Silesia 1769-1778; from then on lutheran pastor in Ober-Haselbach, Silesia. (*J. Weigel*).

HERBARIUM and TYPES: Unknown; some material in PR.

BIBLIOGRAPHY and BIOGRAPHY: ADB 6(1): 601; Barnhart 3: 471 (d. 30 Jun 1806); Futak-Domin p. 651; Klásterský p. 201; PR 10129, ed. 1: 11113-11114; Rehder 1: 374.

BIOFILE: Fiek, E., Fl. Schlesien 118. 1881.
Letzner, K., Z. Entom. Ver. schles. Insektenk. Breslau 12: 13-15. 1858 (possibly publ. 1860 or 1861) (b. 29 Sep 1740, d. 24 Jun 1906).
Pax, F., Bibl. schles. Bot. 29, 30, 150. 1929.
Wimmer, F., Fl. Schlesien ed. 2. 2: 144-145. 1844.

*Note(1)*: *Schlesischer Pflanzenkalender*, oder Verzeichniss der in Schlesien wildwachsenden Pflanzen, wie sie in jedem Monate blühen. 1791. – This Pflanzen-Kalender appeared anonymously in Litterar. Chronik von Schlesien 4: 111-120. 1791, 5: 136-147, 6: 166-180, 7: 207-211, 8: 237-244, 12: 373-382, fide Pax (1929).
*Note(2)*: Weigel edited and contributed also to the *Geographische, naturhistorische und technologische Beschreibung des Herzogthumes Schlesien*, Berlin, 1800-1806, 10 vols. (notes on botany in 1: 34-51, 2: 65-99, 3: 14-18, 102-105, 4: 91-121, 5: 17-26, 101-103, 159-179, 6: 40-61, 7: 8-14).

**Weigelt, Christoph** (x-1828), German (Saxonian) physician (cand. med. Dresden) and plant collector; sent to Suriname 1827 to make botanical collections. (*Weigelt*).

HERBARIUM and TYPES: Weigelt's collections went to L.D. Schweinitz at PH and G. Kunze at LZ and were distributed by the latter with the date 1827 (referring to W.'s collecting in that year, but presumably also in 1828). See Pulle (1906) and Stevenson (1971) for further details. Sets of Weigelt plants, as distributed by G. Kunze are (or were) at B (mainly destr.), BR, C, DBN, FI, G, G-DC, GOET, H, KIEL, L, LZ (destr.), M, PH, REG, S, TUR, W, WRSL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 471; Lasègue p. 222, 304, 505; Urban-Berl. p. 284, 409.

BIOFILE: Anon., Flora 11(1): 94-95. 1828 (material collected by W. being received).
Berkeley, M.J. & M.A. Curtis, J. Acad. nat. Sci. Philadelphia ser. 2. 2: 277-293. *1 pl.* 1854 (Weigelt fungi from the Schweinitzian herbarium).
Fries, E., Linnaea 5: 496-497. 1830 (fungi collected by W. sent to B by Kunze).
Ilg, G., Hoppea 42: 99, 107. 1984 (Suriname material in REG).
Pulle, A.A., Enum. vasc. pl. Surinam 2. 1906.
Shear, C.L., Mycologia 36: 664-673. 1946 (describes Suriname fungi collected by W, now in PH).
Stevenson, J., Beih. Nova Hedw. 36: 503-507. 1971 (detailed description of coll.).
Wagenitz, G., Index coll. princ. herb. Gott. 174-175. 1982.

EPONYMY: *Weigeltia* Alph. de Candolle (1834).

**Weihe, Carl Ernst August** (1779-1834), German (Westphalen) physician and botanist (batologist); studied pharmacy in pharmacies at Melle (1798-1799) and Bielefeld (1799-1800); studied medicine at Halle 1800-1802; Dr. med. ib. 1802; practicing physician at Lüttringhausen 1803-1806, in Bünde 1807-ca. 1811, in Mennighüffen 1811-1824; from 1825-1834 in Herford. (*Weihe*).

HERBARIUM and TYPES: MSTR. – Further material (including Rubi and Gräser), B (mainly destr.), BHU, BR, BREM(Rubi), DBN, E, FI, GB, GOET (incl. *Rubi*), H, HAL, KIEL, LE, LZ (destr.), MW, PH, REG, W (*Rubi*). – *Exsiccatae*: *Deutsche Gräser.* Für Botaniker und Oekonomen getrocknet ..., Lief. 1-15, 375 nos. Lemgo 1817-1830. Set in H in original books; other sets at GB, LD, LE and some of the other herbaria mentioned above. – *Letters* at G, HAL (Schlechtendal), MSTR, U (Miquel). – For original manuscripts, letters etc. see the biography by Gries (1978).

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 458; Backer p. 664; Barnhart 3: 471; Biol.-Dokum. 19: 9841; BM 5: 2284; CSP 6: 303, 12: 773; Frank 3 (Anh.): 112; GR p. 80; Herder p. 342; Hortus 3: 1206; Jackson p. 295; NI 2125; Plesch p. 456; PR 6662,10130-10131, ed. 1: 7440-7441, 11116-11117; Rehder 5: 910; Sotheby 805; TL-1/1400-1401; TL-2, see J.G. Forchhammer, C.G. Nees, K. Sprengel; Tucker 1: 738; Urban-Berl. p. 409; Zander ed. 10, p. 731, ed. 11, p. 834.

BIOFILE: Fischer-Benzon, R.J.D., *in* P. Prahl, Krit. Fl. Schleswig-Holstein 2: 61-62. 1889.
Gries, B., Abh. Landesmus. Naturk. Münster 40(3): 3-45. 1978 (main biogr., bibl., portr., b. 30 Jan 1779, d. 27 Jan 1834).
Kent, D.H. & D.E. Allen, Brit. Irish herb. 270. 1984.
Kraus, G., Bot. Gart. Halle 2: 33, 34. 1893.
Manitz, H., Feddes Repert. 94(3-4): 176. 1983 (on publications of *Cuscuta epilinum* Weihe in 1824: prepublication by Boenninghausen 11 Mar-20 Mai 1824; regular publ. in Apoth.-Ver. N. Teutschl. after 11 Jul 1824).
Nees von Esenbeck, C.G., Flora 1: 423-426. 1818 (review of *Deutsche Gräser*, Hefte 1-2, publ. 1 Oct 1817).
Schönach, H., Jahresber. Real-Ober-Gymn. Feldkirch 1882: 44 (nos. 104, 105, 130, 138, 139).
Schulz, A., Jahresber. Westfäl. Prov.-Ver. Wiss. Kunst Münster 44: 68-75. 1916 (contains two reports on field trips by Weihe 1820, 1825, as well as some biogr. notes).
Wagenitz, G., Index coll. princ. herb. Gott. 175. 1982.
Weber, H.E., Ber. naturw. Ver. Bielefeld 23: 161-193. 1977 (on Weihe's work on the Rubi around Mennighüffen).

HANDWRITING: Abh. Landesmus. Naturk. Münster 40(3): 24-25. 1978.

NOTE: Karl Weihe, *De Umbellliferis officinalibus* Lemgoviae (Meyer) 1817, 30 p. was not seen by us. It is not clear whether this paper was written by C.E.A. Weihe, even though the latter published his Deutsche Gräser from 1817 onward also at Lemgo with Meyer. Gries (1978) does not include this title in her bibliography of C.E.A. Weihe. However, the coincidence of the existence of two Weihes with the same publisher in the same year would be remarkable.

EPONYMY: *Weihea* K.P.J. Sprengel (1825) may honor this author, but etymology was not given.

**17.001.** *De Nectariis*, dissertatio inauguralis medica, quam consensu facultatis medicae ut summos in arte medica honores capessat, die xi. sept. mdcccii. Publice defendet auctor Carolus Ernestus Augustus Weihe ... Halae [Halle] (in officina Batheana) [1802]. Oct. (*Nectar.*).

*Publ.*: 11 Sep 1802, p. [1]-44, [45-46]. *Copies*: B-S, MO. – Includes notes by C. and K. Sprengel (Kraus 1894).

**17.002.** *Die deutschen Brombeersträuche*, beschrieben und dargestellt ... Elberfeld (Schönian'sche Buchhandlung) 1822-1827. Fol. (*Deut. Brombeerstr.*).

*Co-author*: Christian Gottfried Nees von Esenbeck (1776-1858).

*German text and plates*: 1822-1827 (see below), p. [preface matter see below], [1]-130, *pl. 1-3, 3b, 4-44, 45a, 45b, 46a, 46b, 46c, 47-49* (p.p. col. liths. T. Wild and W. Engels). *Copies*: BR, FI, G, HH, MO, PH.

*Latin text*: 1822-1827 (see below), p. [preface matter see below], [1]-116. *Copies*:BR, FI, G, H-UB, HH, MO. – All these copies have the German and Latin text bound together followed by a single set of plates. The texts may have been available also in one language.

*Preface matter*: in all 3 Latin and 3 German titles, 1 Latin and 1 German dedication, 1 Latin and 1 German preface of 2 p. each, contents Latin and German 4 p. each, German list of subscribers 2 p.

| part | *plates* | pages German | pages Latin | dates |
|---|---|---|---|---|
| 1-2 | *1-8, 3C* | 1-28 | 1-28 | Jan-Jun 1822 |
| 3 | *9-14* | 29-42 | 29-40 | Jul-Dec 1824 |
| 4 | *15-20* | 43-50 | 41-46 | Jan-Apr 1825 |
| 5 | *21-24* | 51-76 | 47-70 | Jul-Nov 1825 |
| 6 | *25-30* | 77-86 | 71-78 | 1825serov. 1826prim. |
| 7 | *31-36* | 87-96 | 79-86 | Jul-Dec 1826 |
| 8 | *37-42* | 97-106 | 87-94 | Jan-Jul 1827 |
| 9-10 | *43-49, 45A-B, 46A-C* | 107-130 | 95-116 | Jul 1827 |

*Ref.*: Hoppe, D.H., Flora 8: 257-260. 7 Mai 1825.
Stearn, W.T., J. Soc. Bibl. nat. Hist. 4: 68-69. 1962, Fl. males. Bull. 17: 910-911. 1962.

**Weimarck, [August] Hennig** (1903-1980), Swedish botanist; studied at the University of Lund 1924-1928; assistant Botanical Museum, Lund 1928; travelled in Africa 1930-1931; Dr. phil. Lund 1935; lecturer in botany ib. 1935, curator of the Botanical Museum 1945, director of the botanical garden Gothenburg 1949; professor of systematic botany, Univ. Lund 1950-1969. (*Weim.*).

HERBARIUM and TYPES: LD. - Other material at BM, BOL, BR, C, E, K, M, MO, PRE, S, SRGH, WAG. - *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: BL 1: 55, 323, 2: 538, 542, 731; Bossert p. 430; IH 1 (ed. 1): 58, (ed. 2): 77, (ed. 3): 97, (ed. 4): 106, (ed. 5): 111, (ed. 6): 162, 366, (ed. 7): 164, 346, 2: 209-210, 603; SBC p. 134.

BIOFILE: Almborn, O., Bot. Not. 133: 464-467. 1980 (portr.); Taxon 31: 616-618. 1982 (obit., portr.).

Anon., Bot. Not. 1930: 411 (to S. Africa), 1935: 178 (id.), 1937: 159 (stipend), 1941: 134 (id.), 1949: 496 (app. Lund 1 Jan 1950), 1954: 63 (invitation lectures Leicester), 1965: 489 (Nord. för. tax. bot.), 1969: 302 (hon. memb. Lunds bot. För.); Forum bot. 12(3): 6. 1974; Österr. bot. Z. 84: 240. 1935 (lecturer Lund); Taxon 29: 701. 1980 (d.; correction: the "especially chemotaxonomy" refers to W.'s son Gunnar, at Göteborg).

Bullock, A.A., Bibl. S. Afr. bot. 127-128. 1978.
Fries, R.E., Short hist. bot. Sweden 45-46. 1950.
Frodin, D.G., Guide standard floras world no. 675. 1984.
Gerle, E., Lunds Universitets Matrikel 1967-1968. 828-830. 1968 (curr. vit., functions, list publ.).
Gunn, M. & L.E. Codd, Bot. explor. S. Afr. 373. 1981 (coll. S. Afr., portr.).Hjelmqvist, H., Bot. Not. 111: 21, 22, 33. 1958.
Lindman, S., Sv. män kvinn. 8: 243-244. 1955 (curr. vit., portr.).
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Runemark, H., Kungl. Fysiogr. Sällsk. Lund Årsb. 1981-1982: [66]-69. 1983 (biogr., portr.).
Verdoorn, F., ed., Chron. bot. 1: 368. 1935, 2: 271. 1936, 4: 186, 187. 1938, 5: 112, 313. 1939, 6: 310. 1941.
Weimarck, H., Bot. Not. 1939: 399-401 (on general index to Bot. Not.).

COMPOSITE WORKS: Editor *Botaniska Notiser* 1938-1949, 1956-1957.

FESTSCHRIFT: *Botaniska Notiser* 116(2), Festschrift tillägnad Henning Weimarck den 22 Maj 1963, Lund, 1963.

NOTE: Outside our period e.g. *Skånes Flora*, xxiv, 721 p., Lund Mai 1963; reissued as second edition 1977 (original sheets, new t.p.) and *Atlas över Skånes flora* (with Gunnar Weimarck), 640 p., Lund 1985.

**17.003.** *Beiträge zur Kenntnis der Flora von Süd-Rhodesia* 1-11, 1932-1968.
*Co-author and editor*: [Nils] Tycho Norlindh (1906-x), see TL-2/3: 770-771; the names of the author responsible for each chapter is indicated; numerous smaller contributions by others.
*1*: 23 Mar 1932, cover-t.p., p. [1]-21. – Reprinted and to be cited from Bot. Not. 1932: [1]-21. – Medd. Lunds Bot. Mus. 10.
*2*: 15 Mar 1934, cover-t.p., p. [64]-110. – Id. 1934: [64]-110. – Medd. 16.
*3*: 28 Sep 1935, cover-t.p., p. [357]-408. – Id. 1935: [357]-408. – Medd. 22.
*4*: 30 Mar 1936, cover-t.p., p. [1]-50. – Id. 1936: [1]-50. – Medd. 25.
*5*: 30 Jun 1937, cover-t.p., p. [161]-201. – Id. 1937: [161]-201. – Medd. 30.
*6*: 29 Dec 1937, cover-t.p., p. [419]-446. – Id. 1937: [419]-446. – Medd. 35.
*7*: 1 Mar 1940, cover-t.p., p. [51]-68. – Id. 1940: [51]-68. – Medd. 46.
*8*: 19 Mar 1948, cover-t.p., p. [17]-38, *pl. 1-2*. – Id. 1948: [17]-38, *pl. 1-2*. – Medd. 88.
*9*: 25 Jun 1951, cover-t.p., p. [97]-127. – Id. 1951: [97]-127. – Medd. 98.
*10*: 30 Dec 1958, cover-t.p., p. [623]-631. – Id. 1958: [623]-631. – Medd. 129.
*11*: 30 Oct 1968, cover-t.p., p. [361]-382. – Id. 1968: [361]-382. *Author*: E.A.C.L.E. Schelpe.
*Copies*: Almborn, FAS, LD.

**17.004.** *New species in the genus Cliffortia* ... Lund (Carl Blom Boktryckeri) 1933. Oct.
*Publ.*: Mai 1933 (in journal), cover-t.p., p. [143]-164. *Copies*: B, FAS, G, LD, U. – Reprinted and to be cited from Bot. Not. 1933: [143]-164. – Medd. Lunds Bot. Mus. 11.

**17.005.** *Die Verbreitung einiger afrikanisch-montanen Pflanzengruppen*, i-ii ... Särtryck av Svensk Botanisk Tidskrift ... 1933. Oct.
*1-2*: 20 Dec 1933, cover-t.p., p. [400]-419. *Copies*: B, LD. – Reprinted and to be cited from Sv. bot. Tidskr. 27(4): [400]-419. 1933.
*3-4*: 12 Mar 1936, cover-t.p., p. [36]-56. *Copies*: B, FAS, G, LD. – Id. 30(1): [36]-56. 1936.

**17.006.** *Monograph of the genus Cliffortia* ... by due permission of the philosophical faculty of the University of Lund to be publicly defended in the botanical auditory, December 12, 1934, at 10 o'clock, for the degree of doctor of philosophy. Lund (printed by Håkan Ohlsson) 1934. Oct. (*Monogr. Cliffortia*).

*Publ.*: 20-30 Nov 1934, p. [i], [1]-229, [231, cont.]. *Copies*: BR, LD, MICH.
*Commercial ed.*: Dec 1934, p. [1]-229, [231, 233]. *Copies*: B, FAS, G, HH, LD, Peterson.
*Ref.*: Diels, L., Bot. Jahrb. 67 (Lit.): 67-68. 1936 (rev.).

**17.007.** *Die afrikanischen Corchorus-Arten* der sect. Guazumoides DC. und Erinocei H. Weimarck sect. nova. Särtryck ur Svensk Botanisk Tidskrift ... 1936. Oct.
*Publ.*: 11 Jul 1936, cover-t.p., p. [474]-482. *Copies*: B, FAS, G, LD. – Reprinted and to be cited from Sv. Bot. Tidskr. 30(3): [474]-482. 1936.
*Note*: W wrongly wrote "Sect. Erinocei" and "*C. erinoceus*" but later (Sv. Bot. Tidskr. 31(4): 449. 1937) corrected this to Sect. Erinacei and *C. erinaceus*.

**17.008.** *Myrothamnus flabellifolia* Welw., eine polymorphe Pflanzenart ... Lund (Carl Bloms Boktryckeri) 1936. Oct.
*Publ.*: 25 Sep 1936, cover-t.p., p. [451]-462. *Copies*: B, FAS, G, LD. – Reprinted and to be cited from Bot. Not. 1936: [451]-462. – Medd. Lunds Bot. Mus. 26.

**17.009.** *Bryologiska undersökningar* i nordligaste Sverige ... Särtryck ur Svensk Botanisk Tidskrift ... 1937. Oct.
*Publ.*: 24 Sep 1937, cover-t.p., p. [354]-386. *Copies*: B, FAS, H, LD. – Reprinted and to be cited from Sv. Bot. Tidskr. 31(3): [354]-386. 1937.

**17.010.** *A new Cliffortia species* ... Lund (Carl Bloms Boktryckeri) 1937. Oct.
*Publ.*: 30 Sep 1937, cover-t.p., p. [337]-340. *Copies*: B, FAS, G, LD. – Reprinted and to be cited from Bot. Not. 1937: [337]-340. – Medd. Lunds Bot. Mus. 33.

**17.011.** *Förteckning över Skandinaviens växter* utgiven av Lunds botaniska förening. 2. *Mossor* (andra upplagan). Utarbetad av H. Weimarck. Lund (C.W.K. Gleerups Förlag) [1937]. Oct. (*Förteckn. Skand. växt., Moss.* ed. 2).
*Publ.*: 1937, p. [M1]-M84, [M85]. *Copies*: FAS, H, LD. – Second edition of H.A. Möller, *Förteckn. Skand. växt., Moss.* 1907, TL-2/6159.
*Ref.*: Almborn, O., Sv. bot. Tidskr. 73: [563]-566. 1979 (on the exchange catalogues issued by the Lund botanical Society and the associated "Förteckningar").

**17.012.** *Types of inflorescences in Aristea* and some allied genera ... Lund (Carl Bloms Boktryckeri) 1939. Oct.
*Publ.*: 20 Oct 1939, cover-t.p., p. [616]-626. – *Copies*: B, FAS, LD. – Reprinted and to be cited from Bot. Not. 1939: [616]-626. – Medd. Lunds Bot. Mus. 40.

**17.013.** *Monograph of the genus Aristea* ... Lund (C.W.K. Gleerup), Leipzig (Otto Harrassowitz) [1940]. Oct. (*Monogr. Aristea*).
*Publ.*: shortly after 23 Jan 1940 (date printing on p. [141], p. [1]-140, *pl. 1-2*. *Copies*: B, FAS, HH, LD, Peterson. – Issued as Lunds Univ. Årsskr. ser., 2. Avd. 2. 36(1) and K. Fysiogr. Sällsk. Handl. ser. 2. 51(1).

**17.014.** *Cliffortia micrantha* H. Weimarck spec. nova ... Lund (Carl Bloms Boktryckeri) 1940. Oct.
*Publ.*: 1 Mar 1940, cover-t.p., p. [97]-99. *Copies*: B, FAS, G, LD. – Reprinted and to be cited from Bot. Not. 1940: [97]-99. – Medd. Lunds Bot. Mus. 47.

**17.015.** *Some notes on the genus Cliffortia* ... Lund (Carl Bloms Boktryckeri) 1940. Oct.
*Publ.*: 16 Dec 1940, cover-t.p., p. [399]-402. *Copies*: B, FAS, LD. – Reprinted and to be cited from Bot. Not. 1940: [399]-402. – Medd. Lunds Bot. Mus. 51.
*See also*: (1) *Further notes on the genus Cliffortia* 1946, cover-t.p., p. [407]-420. *Copies*: FAS, LD. – Reprinted from Bot. Not. 1946(4): [407]-420. 20 Dec 1946. – Medd. Lunds Bot. Mus. 80.
(2) *The genus Cliffortia*, a taxonomical survey, Bot. Not. 1948(2): [167]-203. *pl. 3-10*. 26 Jun 1948. – Also repr., Medd. Lunds Bot. Mus. 90.
(3) *Two new Cliffortia species from the Cape Province*, 1953, cover-t.p., p. [78]-80. *Copies*: FAS, LD. – Reprinted and to be cited from Bot. Not. 1953: [78]-80. 31 Mar 1953. – Medd. Lunds Bot. Mus. 102.

(*4*) *Four new Cliffortia species*, 1959, cover-t.p., p. [73]-79. *Copies*: FAS, LD. – Id. 112(1): [73]-79. 26 Mar 1959. – Medd. Lunds Bot. Mus. 132.

**17.016.** *A revision of the genus Nivenia* Vent. ... Svensk Botanisk Tidskrift ... 1940. Oct.
*Publ.*: 18 Nov 1940, cover-t.p., p. [355]-372. *Copies*: B, FAS, LD. – Reprinted and to be cited from Sv. Bot. Tidskr. 34(4): 355-372. 1940.

**17.017.** *Phytogeographical groups, centres and intervals within the Cape flora.* A contribution to the history of the Cape element seen against climatic changes ... Lund (C.W.K. Gleerup), Leipzig (Otto Harrassowitz) [1941]. Oct. (*Phytogeogr. gr. Cape fl.*).
*Publ.*: 1941 (read 12 Feb 1941), p. [1]-143, 2 maps. *Copies*: FAS, LD, Peterson. – Issued as Lunds Univ. Årsskr. ser. 2(2). 37(5), and K. Fysiogr. Sällsk. Handl. ser. 2. 52(5).

**Wein, Kurt** (1883-1968), German (Prussian) school teacher, botanist and historian of botany; teacher at the Volksschule in Rehmsdorf 1906, Merseburg 1907, Helbra 1909, and finally in Nordhausen 1913-1946; released from his position 1946; collaborator Institut für Kulturpflanzenforschung (Gatersleben) from 1952; Foreign member Linnean Society 1962; Dr. phil. h.c. Halle 1963. (*Wein*).

HERBARIUM and TYPES: Unknown. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: BFM 325 [index]; Biol.-Dokum. 19: 9847-9849; Clokie p. 562; Futak-Domin p. 652; Hortus 3: 1200; Langman p. 796; NI 3: 19, 64; SO add. 3120l.

BIOFILE: Anon., Das Volk, Nordhausen 26 Feb 1953, (no. 48) (70th birthday); Göttinger Tageblatt. 1963 (undated cutting at B; on dr. h.c. Halle); Nordhäuser Tageblatt [ca. 11] Mar 1968, p. 8 (copy in B).
Danert, S., Die Kulturpflanze 17: 25-35. 1969 (obit., portr., bibl. based on a list in Eckardt, 1959).
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Meusel, H., Hercynia ser. 2. 9: 179-181. 1972 (on W. and the hercynian flora).
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Verdoorn, F., ed., Chron. bot. 2: 389. 1936, 6: 310. 1941.
Wagner, G., Nordhäuser Tageblatt 23 Feb 1968 (85th birthday).

**17.018.** *Die Stellung von Johann Thal in der Geschichte der Herbarien* ... Sonderabdruck aus "Mitteilungen des Thür. Bot. V." ... 1911. Oct.
*Publ.*: 1911, p. [76]-79. *Copy*: FAS. – Reprinted and to be cited from Mitt. Thür. bot. Ver. ser. 2. 28: [76]-79. 1911.

**17.019.** *Die älteste Geschichte von Fagopyrum tataricum* (L.) Gärtn. Sonderabdruck aus der Österreichischen botanischen Zeitschrift ... 1925. Oct.
*Publ.*: Jan-Mar 1925, p. [51]-57. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 74: 51-57. 1925.

**17.020.** *Was ist Alyssum paniculatum* Desf.? ... Sonderabdruck aus der Österreichischen botanischen Zeitschrift ... 1925. Oct.
*Publ.*: Jul-Sep 1925, p. [198]-201. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 74: [198]-201. 1925.

**17.021.** *Beiträge zur Geschichte der Einführung und Einbürgerung* einiger Arten *von Xanthium* in Europa ... Sonderabdruck aus "Beihefte zum Bot. Centralbl." ... 1925. Oct.
*Publ.*: 1925, p. [151]-176. *Copy*: B. – Reprinted and to be cited from Beih. Bot. Centralbl. 42 (Abt. 2): [151]-176. 1925.

**17.022.** *Die Geschichte der Syringa persica.* Ein Beitrag zur Geschichte der Pflanzeneinführungen ... Sonder-Abdruck aus Mitteilungen der Deutschen Dendrologischen Gesellschaft ... 1928. Oct.

*Publ.*: 1928, p. [245]-257. *Copy*: B. – Reprinted and to be cited from Mitt. deut. dendr. Ges. 40: 245-257. 1928.

**17.023.** *Mauritius Hoffmann* und seine Addenda ad Catalogum plantarum spontanearum (1677). Ein Beitrag zur Geschichte der Floristik in Bayern. Sonderabdruck aus den Mitteilungen der Bayer. Botan. Gesellschaft in München, ... 1928. Oct.
*Publ.*: 1928, p. [1]-5. *Copy*: B. – Reprinted and to be cited from Mitt. bayer. bot. Ges. 4(8): [115]-119. 1928.

**17.024.** *Beiträge zur Flora des nördlichen Thüringens* ... Separat-Abzug aus den Mitteilungen des Thüringischen Botanischen Vereins ... 1929. Oct.
*Publ.*: Apr 1929 (cover reprint dated 30 Apr 1923), cover-t.p., p. 1-6. *Copy*: M. – Reprinted and to be cited from Mitt. Thür. bot. Ver. ser. 2. 38: 20-25. 1929.

**17.025.** *Die Erforschung der Flora des Rheingebietes* von Mainz bis Bingen in vorlinnéischer Zeit .... Sonderabdruck aus "Jahrbücher des Nassauischen Vereins für Naturkunde" ... [1929]. Oct.
*Publ.*: 1929, p. [i, recto of 94], [94]-104. *Copy*: FAS. – Reprinted and to be cited from Jahrb. Nassau. Ver. Naturk. 80(2): 94-104. 1929.

**17.026.** *Die Nomenklatur in der Sylva Hercynia* von Johann Thal (1588) ... Separatabzug aus den Mitteilungen des Thüringischen Botanischen Vereins ... 1929. Oct.
*Publ.*: 1929, cover-t.p., p. [1]-18. *Copies*: B, FAS, M. – Reprinted from Mitt. Thür. bot. Ver. ser. 2. 38: 59-76. 1929.

**17.027.** *Elias Tillandz's "Catalogus plantarum"* (1683) im Lichte seiner Zeit erklärt und gewürdigt. Ein Beitrag zur Geschichte der Floristik und zur Geschichte der Botanik in Finnland ... Helsinki 1930. Oct.
*Publ.*: 1930 (p. 191: "Nordhausen, in den Tagen der Rheinlandräumung 1930", cover-t.p., [189]-411. *Copies*: FAS, G, H. – Issued and to be cited as Ann. Soc. zool. bot. Fenn. Vanamo 11(5): [189]-411. 1930.
*Ref.*: Skepparnabb, L., Mem. Soc. Fauna Fl. Fenn. 15: 179-185. 1940; Elias Tillandz' växtbilder och växtnam, Lovisa 1961, 173 p. (on sources of *Icones novae*).

**17.028.** *Die erste Einführung nordamerikanischer Gehölze in Europa* ... [Sonderabdruck aus Mitteilungen der Deutschen Dendrologischen Gesellschaft ... 1930-1931]. Oct.
*1*: 1930, p. [137]-163. *Copy*: B. – Reprinted and to be cited from Mitt. deut. dendrol. Ges. 42: [137]-163. 1930.
*2*: 1931, p. [95]-154. *Copies*: B, FAS, Peterson. – Id. 43: [95]-154. 1931.
See also his *Barock, Rokoko und die Dendrologie*, Mitt. deut. dendr. Ges. 41: 88-116. 1929 and *Beiträge zur Geschichte der Einführung nordamerikanischer Gehölze in Europa*, ib. 44: 123-129. 1932.

**17.029.** H.B. *Rupp als Bryolog* ... [Separatabdruck aus den Mitteilungen des Thüringischen Botanischen Vereins ... 1931. Oct.
*Publ.*: 1931, p. [1]-18. *Copy*: FAS. – Reprinted and to be cited from Mitt. Thür. bot. Ver. ser. 2. 40: 42-58. 1931.

**17.030.** *Die älteste Einführungs- und Einbürgerungsgeschichte der nordamerikanischen Vertreter der Gattung Oenothera* ... [Dahlem bei Berlin ... 1931]. Oct.
*Publ.*: 15 Mai 1931, p. 27-64. – Published as Beih. Repert. sp. nov. 62: 27-64. 1931.

**17.031.** *Die Wandlungen im Sinne des Wortes "Flora"* ... Sonderabdruck aus den "Berichten der Freien Vereinigung für Pflanzengeographie und systematische Botanik". (Fedde, Rep. Beih. lxvi (1932) pp.). Oct.
*Publ.*: 31 Mai 1932, p. [74]-87. *Copy*: FAS. – Reprinted and to be cited from Repert. sp. nov. Beih. 66: 74-87. 1932. – The term *Flora* in its present sense was first used by Johann Gottsched (1668-1704) in his posthumous publication of Johannes Loesel, *Flora prussica* 1703, see TL-2/4933. Consistent usage of the term in this sense dates from Linnaeus, Flora Lapponica 1737.

**17.032.** *Beiträge zur Geschichte der Einführung nordamerikanischer Gehölze in Europa* ... Sonder-Abdruck aus Mitteilungen der Deutschen Dendrologischen Gesellschaft ... 1932. Oct.
*Publ.*: 1932, p. [123]-129. *Copy*: FAS. – Reprinted and to be cited from Mitt. deut. dendr. Ges. 44: [123]-129. 1932.

**17.033.** *Die älteste Einführungs- und Einbürgerungsgeschichte des Erigeron canadensis* ... Leipzig (Akademische Verlagsgesellschaft m.b. H.) 1932. Oct.
*Publ.*: 1932, p. [i, recto of 394], [394]-418. *Copy*: B. – Reprinted and to be cited from Bot. Arch. 34(3-4): 394-418. 1932.

**17.034.** *Beiträge zur Geschichte der Floristik des 17. Jahrhunderts* ... Sonderabdruck aus ... Fedde, Rep. Beih. ... 1933. Oct.
*Publ.*: 1933, p. [1]-67. *Copy*: NY. – Reprinted and to be cited from Rep. sp. nov., Beih. 71: [127]-193. 1933.

**17.035.** *Die älteste Einführungs- und Einbürgerungsgeschichte der Opuntia humifusa* ... Sonderabdruck aus ... Fedde, Rep. Beih. 1934. Oct.
*Publ.*: 1 Jun 1934, p. [1]-38. *Copy*: B. – Reprinted and to be cited from Repert. sp. nov. Beih. 76: [111]-148. 1934.

**17.036.** *Beitrage* [sic] *zür* [sic] *Geschichte der Cecidologie* mit besonderen Ausblicken auf die Entwicklung in Thüringen ... Napoli (S.I.E.M. - Stabilimento Industrie Editoriali meridionali ...) 1936-xiv. Oct.
*Publ.*: 1936, cover-t.p., p. [3]-68. *Copies*: B, FAS. – Reprinted and to be cited from Marcellia 29: [3]-68. 1936.

**17.037.** *Nordamerikanische Oenothera-Arten* als Gartenpflanzen und Epökophyten *in Europa* während des 17. und 18. Jahrhunderts ... Sonderabdruck aus "Beihefte zum Bot. Centralbl." ... 1936. Oct.
*Publ.*: 1936, p. [419]-543. *Copy*: B. – Reprinted and to be cited from Beih. Bot. Centralbl. 55-B: [419]-543. 1936.

**17.038.** *Caspar Bauhin an Ludwig Jungermann* ein Beitrag zur Geschichte der Botanik des 17. Jahrhunderts ... Sonderabdruck aus: Sudhoffs Archiv ... 1937. Oct.
*Publ.*: 1937, cover, p. [i, recto of 152], [152]-166. *Copy*: FAS. – Reprinted and to be cited from Sudhoff's Arch. 30(3): 152-166. 1937.

**17.039.** *Die älteste Einführungs- und Ausbreitungsgeschichte von Acorus Calamus.* (Erster Teil). ... Halle (Saale), Berlin (Buchdruckerei des Waisenhauses GmbH) 1939.
*Publ.*: 1939, cover-t.p., p. [367]-450. *Copy*: Peterson. – Reprinted and to be cited from Hercynia 1(3): 367-450. 1939.

**17.040.** *Johannes Wigand* (1523-1587), Preussens erster Botaniker ... Sonderabdruck aus Sudhoffs Archiv ... 1942. Oct.
*Publ.*: 1942, p. [i, recto of 160], [160]-205. *Copy*: FAS. – Reprinted and to be cited from Sudhoff's Arch. 35(4): 160-205. 1942.

**Weinhart, Max** (1824-1905), German (Allgäu) botanist and high school teacher (1842-1884) at Augsburg. (*Weinhart*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 472 (b. 9 Mar 1824, d. 18 Apr 1905); CSP 19: 523.

BIOFILE: Besch, Joh., Ber. naturw. Ver. Augsburg 37: 283-286. 1906 (obit.).

**17.041.** *Flora von Augsburg.* Uebersicht über die in der Umgebung von Augsburg wildwachsenden und allgemein kultivierten Phanerogamen nebst den Gefässkryptogamen. Unter Mitwerkung von Heinrich Lutzenberger neu bearbeitet von Max Weinhart.

Dazu als Einleitung: "Der Boden des heimischen Florengebietes". Von Dr. Alois Geistbeck. Mit einem Querprofil. [Augsburg 1898]. Oct.
*Collaborator*: Heinrich Lutzenberger (1829-1902).
*Publ.*: late 1898 or Jan 1899 (Nat. Nov. Jan(2) 1899; Bot. Centralbl. 31 Mai 1899; ÖbZ for Mai-Jun 1899; Bot. Zeit. 1 Jul 1899), p. [241]-381. *Copies*: B, BR, G, HH, M. – Reprinted and to be cited from Ber. naturw. Ver. Augsburg 33(1898): [241]-381. 1898-1899. – Replaced F. Caflisch, *Übersicht der Flora von Augsburg 1850.*
*Nachträge (1)*: 1900 (p. 143; Aug 1900; US rd. 21 Dec 1900). – Id. 34: [141]-143. 1900.
*Nachträge (2)*: 1902 or early 1903 (p. 156: Aug 1902). – Id. 35: [155]-156. 1902.
*Preliminary publ.*: M. Weinhart, *Beiträge zur Flora von Schwaben und Neuburg*, ib. 1890: 277-282, 1894: 241-248, 1898: 125-128 (continued after 1900).
*Neue Beobachtungen über die Flora von Augsburg* und Umgebung, von L. [Lorenz] Gerstlauer in Augsburg, ib. 38: [77]-83. 1908.

**Weinmann, Johannes Anton** (1782-1858), German-born (Franconian) Russian botanist and gardener; from 1804-1813 in Dorpat, from 1813 inspector of the garden of the Empress Marie Feodorowna at Gattschina and Pawlosk nr. St. Petersburg. (*Weinm.*).

HERBARIUM and TYPES: LE; further material at H, MW, REG, UPS. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(1): 77, 4: 122; Ainsworth p. 227, 314, 348; Backer p. 623; Barnhart 3: 472 (b. 12 Dec 1782, d. 5/17 Aug 1858); Biol.-Dokum. 19: 9859; BM 5: 2285; CSP 6: 306; Frank 3 (Anh.): 112; Herder p. 484 [index]; Jackson p. 327, 414, 442; Kelly p. 239; LS 28573-28578; MW p. 526; PR 10134-10137, ed. 1: 11119-11122; Rehder 5: 910; SBC p. 134; Stevenson p. 1262; TL-2/see C.F. von Ledebour; TR 1562-1580; Zander ed. 10, p. 731.

BIOFILE: Anon., Bot. Zeit. 17: 20. 1859 (obit. not.); Flora 42: 47. 1859 (obit. not.).
Bourdeille de Montresor, Bull. Soc. Natural Imp. Moscou ser. 2. 7: 484-485, 496, 504. 1894.
Hooker, J.D., *in* W.J. Hooker, London J. Bot. 6: 43. 1847.
Lindemann, E. v., Bull. Soc. Imp. Natural. Moscou 61(1): 83. 1886 (380 specimens at MW).
Lipschitz, S., Fl. URSS font. nos. 264-267. 1975.
Raab, H., Schweiz. Z. Pilzk. 53(2): 23, 27. 1975.
Regel, E., Gartenflora 7: 356. 1858 (obit. not.), 8: 62-63. 1859 (add. biogr. info.).

COMPOSITE WORKS: *Descriptiones aliquot plantarum* ex horto Imperiali Paulowskiensi, *in* C.F. Hornschuch, ed., Syll. pl. nov. 1: 128-134. 1823-1824.

EPONYMY: *Weinmannodora* E.M. Fries (1849); *Weinmannioscyphus* M. Svrcek (1977).

**17.042.** *Der Botanische Garten* der kaiserl. Universität zu *Dorpat*, im Jahre 1810 ... [Dorpat] (Gedruckt bei M.G. Grenzius ...) [1810]. Oct. (*Bot. Gart. Dorpat*).
*Publ.*: 1810, p. [i], [ix]-xviii [signed J.A. Weinmann], [1]-168, [1-2, err.]. *Copies*: G, H, M. – Alternative title [p. ix]: "*Enumeratio plantarum* ordine alphabetico quae in horto dorpatensi anno mdcccx viguerunt".
*Suppl. 1*: 1811 (p. 5: 11/23 Nov 1811, signed Ledebour), p. [1]-5. *Copy*: M. – By Carl Friedrich von Ledebour (1785-1851), TL-2/2: 805-808.

**17.043.** *Elenchus plantarum horti imperialis pawlowskiensis* et agri Petropolitani; conscriptus a I.A. Weinmann, horti imperialis cultore. Petropoli [St. Petersburg] (ex Typographia orphanotrophii) 1824. Oct. (*Elench. pl. hort. pawlowsk.*).
*Publ.*: 1824 (p. vi: Apr 1824), p. [i-vi], [1]-472, [i]-xxvii, [1, err.]. *Copies*: B-S, BR, G, H-UB, NY.

**17.044.** *Hymeno- et Gastero-mycetes* hucusque in imperio rossico observatos recensuit C. [for J.] A. Weinmann ... pars prodromi florae rossicae ... Petropoli [St. Petersburg] (impensis Academiae imperialis Scientiarum) 1836. Oct. (in 4-s). (*Hymen. Gasteromyc.*).

*Publ.*: 1836 (p. [vi]: Sep 1835), p. [i-vi], [1]-676, [i]-xxxviii, [1, err.]. *Copies*: B-S, FH, G, H, MICH, MO, NY, Stevenson.
*Preceded by*: *Enumeratio gasteromycetum* genuinorum hucusque in imperio ruthenico observatorum, Linnaea 9: 403-416. 1835 prim.
*Ref.*: Anon., Flora 19(2) Lit. 9: 132-135. 28 Nov 1836.
Anon., [D.F.L. von Schlechtendal], Linnaea 11 (Litt.): 57-59. 1836-1838 (rev.).

**17.045.** *Enumeratio stirpium in agro petropolitano* sponte crescentium secundum systema linneanum composita ... Petropoli [St. Petersburg] 1837. Oct. (in 4-s). Oct. (*Enum. stirp. agr. Petrop.*).
*Publ.*: 1837, p. [i]-iv, [1]-320. *Copies*: B-S, G, NY; IDC 5175.

**17.046.** *Syllabus muscorum frondosorum* hucusque in imperio rossico collectorum scripsit J.A. Weinmann. [Extr. du Bullet. de la Sociéte [sic] Imp. des Natur. de Moscou ... 1845]. Oct.
*Publ.*: 1845, p. [i-ii], [1]-149. *Copies*: H, NY. – Reprinted and to be cited from Bull. Soc. Natural. Moscou 18(1): 429-489 and 18(2): 417-503. 1845.
*Supplementum I*: 1846, p. [i-ii], [1]-22. *Copies*: H, NY. – Id. 19(1): [517]-538. 1846.

**Weinmann, Johann Georg** (1764-1769), German (Schwaben) physician and botanist; town physician of Reutlingen. (*J.G. Weinm.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2285; Dryander 3: 201; Herder p. 418; PR 3393, 10138, ed. 1: 11123; Rehder 3: 72.

BIOFILE: Meusel, J.G., Lex. teut. Schriftst. 14: 470-471. 1815.

**17.047.** *Dissertatio inauguralis botanico-medica*, sistens fasciculum plantarum, patriae urbi vicinarum, sponte crescentium, cultarumque, cum usu omni earundem plebejo adjectis observationibus in botanicam generalioribus, typoque curatioris avium descriptionis, quam consensu gratiosae facultatis medicae, praeside collegit hujus decano ... Philippo Friderico Gmelin, ... praeceptore suo aetatem colendo, pro impetrandis in medicina summis doctoris honoribus d. [] Septembr. Anni 1764, H.L.Q.C. ex cathedra defendet auctor Joannes Georgius Weinmann, Reutlingensis. Tubingae [Tübingen] (typis Sigmundianis) [1764]. Qu. (*Diss. bot.-med.*).
*Publ.*: 24 Sep 1764 (p. 32), p. [1]-32. *Copies*: B-S, G, HH, M, NY.

**17.048.** J.G. Weinmann, ... *Tractatus* botanico-criticus *de Chara-caesaris*, cujus libr. iii de Bell. civ. c. xlviii meminit. Praemittitur laus Caesaris. Carolsruhae [Karlsruhe] (apud Michael Macklot) 1769. Oct. (*Tract. Chara-caes.*).
*Publ.*: 1769, p. [1]-76. *Copies*: B-S, G.
*Ref.*: Burdet, H.M. et al., Ouvr. bot. anciens no. 632. 1985.

**Weinmann, Johann Wilhelm** (1683-1741), German (Prussian) pharmacist and botanist; from 1710 in Regensburg studying pharmacy, from 1712 as pharmacist. (*J.W. Weinm.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 623; BM 5: 2285; Bossert p. 431; Dryander 3: 62; DU 260; Henrey 2: 63; Herder p. 85; Jackson p. 32; MW p. 526; NI 2126; Plesch 456; PR 10139-10140, ed. 1: 3612, 11124-11125; Rehder 5: 910; SO 721b; Sotheby 806; TL-2/927, see J. Burman; Tucker 1: 738.

BIOFILE: Burdet, H.M. et al., Ouvr. bot. anciens no. 435. 1985.
Fries, Th.M., Bref Skrifv. Linné 1(3): 255. 1909, 1(6): 121. 1912.
Pongratz, L., Acta Albertina ratisbonensia 25: 33-34. 1963 (biogr. sketch, portr.).
Rudolph, R.C., Huntia 2: 1-28. 1965 (Phytanthoza ills in Iwasuhi's Honzo zufu).

EPONYMY: *Weinmannia* Linnaeus (1759, *nom. cons.*).

**17.049.** Johann Wilhelm Weinmanns, ... *Eigentliche Darstellung* einiger Tausend in allen vier Welt-Theilen gewachsener Bäume, Stauden, Kräuter, Blumen, Früchte und Schwämme ... Regensburg (Gedruckt bey Hieronymo Lentzen) 1735. Fol. (*Eigentl. Darstell.*).

*Publ.*: 1734-1735. – Original publication of the first sections of the *Phytanthozaiconographia*, text with 175 plates. For a complete collation and description see HU 494 (by Allan Stevenson). *Copies*: HU, REG, (see M. Mülleroth, Hoppea 34(2): 90. 1976 for a reproduction of the t.p.).

**17.050.** *Phytanthoza iconographia*, sive conspectus aliquot millium, tam indigenarum quam exoticarum, ex quatuor mundi partibus, longâ annorum serie indefessoque studio, à Joanne Guilielmo Weinmanno, ... collectarum plantarum, arborum, fruticum, florum, fructuum, fungorum. &c. Quae nitidissime aeri incisi & simul diu desiderata ac recens inventa arte, vivis coloribus & iconibus, naturae aemulis, excusae & repraesentatae per Bartholomaeum Seuterum, Joannem Eliam Ridingerum et Joannem Jacobum Haidium pictores & chalcographos augustanos. Quorum denominationes, characteres, genera, species & descriptiones ex optimis, tam priscis quam neotericis auctoribus, ordine ac serie alphabetica, cum probatissimo usu medico, pharmaceutico, chirurgico ac oeconomico, latino & Germanico idiomate sincere explicantur a D. Joanne Georgico Nicolao Dieterico, ... vol. i. A.B. Ratisbonae [Regensburg] (apud praenominatos pict. & chalcogr. augustae venum prostat, ...) [1734-]1737 Fol. (*Phytanthoza iconogr.*).

*1*: in parts, 1734-1737, p. [i], frontispiece, [iii-xxii]. *pl. 1-275*.

*Note*: We describe here the *copy* at G. We can alas not enter into details with respect to other copies and issues. This first volume has a special t.p. for the text.

*German title*: Phytanthoza-iconographia, oder Eigentliche Vorstellung etlicher Tausend, so wohl einheimisch- als ausländischer/aus allen vier Welt-Theilen/in Verlag vieler Jahre, mit unermüdetem Fleiss von Johann Wilhelm Weinmann ... und ältesten Apotheckern in Regensburg gesammleter Pflanzen/Bäume/Stauden/Kräuter/Blumen/Früchten und Schwämme ec. ... Erster Band A.B.

*Text*: [1834-]1835, p. [1]-200. The text in vol. 1 has a separate t.p.: *Multilinguis Phytanthoza-iconographiae Weinmannianae index*, quo denominationes ex optimis auctoribus, tam priscis, quam neotericis, ordine ac serie alphabetica non solum dextre exhibentur, sed simul genera ac characteres cum probatissimo usu, ex genuinis auctoribus eruto, latino ac germanico idiomate sincere explicantur. Impensis Bartholomaei Seuteri, et Joh. Eliae Ridingeri, ... Ratisbonae [Regensburg] (typis Hieronymi Lenzii) 1735. Fol.

*2*: in parts, 1737-1739 (t.p. date 1739), p. [i], portr., [iii], *pl. 276-526* [text:] 1-516. – *Phytanthoza-iconographia* ... vol. ii. C.D.E.F.

*3*: in parts, 1738-1742 (t.p. date 1742), p. [i-iii], *pl. 526-775*, [text:] 1-488. – Vol. iii. G.H.I.K.L.M.N.O.

*4*: in parts, 1742-1745 (t.p. date 1745), p. [i], portr., [iii], *pl. 776-1025*, [text:] 1-540, [1-62, index]. – Vol. iv. P.Q.R.S.T.U.X.Y.Z.

*Dutch edition*: 1736-1748, 4 vols. as *Taalryk register* for the text, and *Duidelyke Vertoning* for the plates. Original edition with t.p.'s (for both text and plates) dated 1736, 1739, 1746, 1748. Titles exist for the *Taalryk register* all dated 1748 but otherwise like original text, for all four vols.; for at least 1, 3 and 4 of the Duidelyke Vertoning. *Copies*: BR (t.p.'s mixed of original and 1748 issue), U (orig.). – See also TL-2/927.

*Text* t.p.'s: *Taalryk register* der plaat- ofte figuur-beschryvingen der bloemdragende gewassen, door den Heer Joh. Wilh. Weinmann ... waar in de benamingen uit de beste schryvers, zo oude als nieuwe, na de ordre van het A.B.C. niet alleen geschiktelyk worden ter neer gestelt, maar te gelyk de geslachten en kentekenen, met der zelver gebruik, naar de beste ondervinding uit de zekerste schryvers getrokken, in de Latynsche en Hoogduitsche Taalen opregtelyk worden uitgelegt. Nu in het Nederduitsch door een voornaam kender en liefhebber vertaalt; en opgeheldert door Johannes Burmannus, ... die daar zijn aantekeningen en verscheide vreemde gewassen bygevoegt heeft ... te Amsterdam (by Zacharias Romberg, ...) 1738-1748.

*Plates* t.p.'s: Duidelyke Vertoning, eeniger duizend in alle vier waerelds deelen was-

sende bomen, stammen, kruiden, bloemen, vrugten, en uitwassen, &c. Waar in de leevendige verwen, na haar natuur, door een geheime, en voor deze nooit bekende konst, door de beroemde konstenaars Barthol Seuter, en Joh. El. Ridinger, nieuw uitgevonden, met veel moeite in zuivere kopere platen gebracht, vertoont worden door Johan Wilhelm Weinmann [correct spelling in vol. 4 1748 of original and in all t.p.'s of the 1748 re-issue of vols. 1-4; spelling Weimann on t.p.'s vols. 1, 2 and 3 of original edition].

*1* (*text*): 1736, frontisp. 1, [i-iv], frontisp. 2, [i-vi], frontisp. 3, 1-280, (*plates*): [i], *pl. 1-254*.

*2* (*text*): 1739, p. [i], 1-538, (*plates*): [i], *pl. 255-307*.

*3* (*text*): 1746, p. [i], 1-500, (*plates*): [i], *pl. 508-766*.

*4* (*text*): 1748, p. [i*], [1-51, names], [1-26, subjects], 1-619, (*plates*): [i], *pl. 767-1025*.

*Revised ed. of plates*: 1787, *Weinmannus redivivus* emendatus et illlustratus, sive thesaurus rei herbariae locupletissimus Recueil de figures enluminées de quelques milliers des plantes ... contenües dans l'herbier de feu Mr Weinmann, eclairci par les denominations systématiques de Mr. le chevalier Linné, accompagné d'un index d'après le système sexual ... Augsburg (chez Jean Elie Haid) 1787.

*Note* [by J.L. Heller who consulted a copy of this work in the Württembergische Landesbibliothek, Stuttgart on 4 August 1970 (with thanks to Dr. E.A. Walter)]. The essential point about *Weinmannus redivivus* is that it contains no letterpress whatsoever. Even the title pages of the four volumes are impressions from a single plate so designed as to leave blank spaces after TOM. and *Tab*. The spaces were then filled in by hand: Tom. I. Tab. 1-275/II. 276-525. /III. 526-775/IV. 776-1025. Tome I also contains three blue plates (allegory of Flora, portr. Bieler, portr. Weinmann) just as in the completed German eds. The plates have been emended and explained by the denominations of the plants according to the system of Carl von Linné. The systematic index (see below) is usually credited to Johann Gessner (1709-1790).

*Index to 1787 ed. of plates*: 1787. – Joa. Guil. Weinmanni *Thesaurus rei herbariae locupletissimus indice systematico* illustratus et emendatus in quo aliquot plantarum millia secundum ... methodo Linneana recensentur et passim adnotationibus illustrantur. Augustae Vendelicorum (Apud Joa. Elias Haid) 1787. Oct. – p. [i*, [iii*], i-xxii (prefaces), [1]-184, [185-202 index]. *Copy*: HH.

*Ref.*: Johnson, D.E., Huntia 3: 100-101. 1985.

**Weir, James Robert** (1882-1943), American botanist; studied at Purdue, Freiburg, Indiana, Harvard and München; Dr. phil. München 1911; assistant forest expert U.S. Forest Service 1905-1907; director science laboratories, Culver Mil. Acad. 1907-1909; forest pathologist U.S.D.A. 1911-1921; pathologist ib. 1921-1927; Rubber Research Institute, Malaya 1927-1929; with Goodyear Rubber Plantation Co. 1929-1933; agriculturist Ford Motor Co., Dearborn and Companhïa Ford Industr. do Brazil from 1933. (*Weir*).

HERBARIUM and TYPES: BPI (40.000). – Other material in BM, DPU, E, IACM, IPA, K, M, MICH, MO, NY, PREM, PUR. – *Field notes* at US. – *Letters* at FH, G, NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 473 (b. 31 Mai 1882); Biol.-Dokum. 19: 9861; Bossert p. 430 (d. 1 Jun 1943); Hirsch p. 319; Kelly p. 239; LS suppl. 29594-29665 (bibl.); NW p. 61; Stevenson p. 1262; Tucker 3: 329.

BIOFILE: Anon., Amer. men sci. eds. 3-6, 1921-1938; Index Amer. bot. lit. 1886-1966, 4: 488-490. 1969 (bibl.).

Stevenson, J.A., Phytopathology 36(7): 487-492. 1946 (obit., portr., bibl., b. 31 Mai 1881 sic, d. 1 Jun 1943; [we accept 1882 as the year of birth in agreement with the date given by Weir himself in his thesis]).

Weir, J.R., Lebenslauf, *in* Unters. Coprinus, Diss. 1911 (p. [67]: b. 31 Mai 1882].

**17.051.** *Untersuchungen über die Gattung Coprinus*. Inaugural-Dissertation zur Erlangung der Doktorwürde der Hohen philosophischen Fakultät (Sektion II) der Königl. Bayer.

Ludwig-Maximilians-Universität zu München ... Jena (Verlag von Gustav Fischer) 1911. Oct. (*Unters. Coprinus*).
*Publ.*: 5 Oct 1911 (in journal), p. [1]-60, [61, vita; 62]. *Copy*: NSUB. – Reprinted or preprinted from Flora 103(3): 263-320. 1911.

**17.052.** *Walrothiella arceuthobii* ... Reprint from Journal of agricultural Research ... 1915. Oct.
*Publ.*: 15 Jul 1915, cover-t.p., p. 369-378, *pl. 55-56* with text. *Copies*: BR, G, HH, M. – Reprinted and to be cited from J. agric. Res. 4(4): 369-378, *pl. 55-56*. 1915.

**17.053.** *Hypoderma deformans*, an undescribed needle fungus of the western yellow pine ... Reprinted from Journal of agricultural Research ... 1916. Oct.
*Publ.*: 22 Mai 1916, cover-t.p., p. 277-288. *pl. 32*. *Copy*: G. – Reprinted and to be cited from J. agric. Res. 6(8): 277-288, *pl. 32*. 1916.

**Weise, Johann Christoph Gottlob** (1762-1840), German (Sachsen-Weimar) engineer, geographer and garden inspector at Weimar; with the military school at Dresden ca. 1793-1801; surveyor for the French army on the battlefield of Jena 1806; in charge of the military library of the Duke of Jena 1807; inspector of the ducal gardens from 1811. (*Weise*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 473 (b. 30 Nov 1762, d. 10 Mai 1840); Herder p. 236; PR 10143, ed. 1: 11127-11129; Rehder 1: 378, 3: 31.

BIOFILE: Anon., Neu. Nekrol. Deut. 18: 545-546. 1842 (obit.; b. 31 Nov 1762, d. 10 Mai 1840).

**17.054.** *Forstbotanische Hefte*. I. Abth. Laubholzarten. H.I. Eichen. Weimar (Hoffmann) 1800. (*Forstbot. Hefte*).
*Publ.*: 1800, 5 plates all publ. (n.v.).

**17.055.** *Encyclopädisches Garten-Wörterbuch*, oder vollständiger auf Theorie und Erfahrung gegründeter Unterricht in der Obst-, Küchen-, Kräuter- und Blumengärtnerei, in Verbindung mit dem Zimmer- und Fenstergarten. Mit einem neuen, ganz vollständigen Monatskalender. Ein Handbuch zum Selbstunterricht für Gartenbesitzer, die keine Kunstgärtner sind; so wie für Liebhaber der Blumen- und Zierpflanzenzucht. Nach den besten Gartenschriften ausgearbeitet ... Erfurt und Gotha (Hennings'sche Buchhandlung) 1830. Oct. (*Encycl. Gart.-Wörterb.*).
*Publ.*: 1830 (p. iv: Blüthe-monat 1829), p. [i]-xxxii, [1]-626, *pl. 1-12* (uncol. copp.). *Copy*: B-G.

**17.056.** *Deutschlands Pflanzen-Blüthe-Kalender*, oder monatliches Verzeichniss der Blüthezeit aller in Deutschland wildwachsenden, bis zum Jahre 1828 bekannt gewordenen phanerogamischen Gewächse, nebst Angabe ihrer Standörter und genauen Kennzeichen. Ein gemeinnützliches Handbuch für Apotheker, Aerzte, Botaniker, Forstmänner, Kammeralisten, Landwirthe, Technologen, Gartenbesitzer, und überhaupt für Liebhaber der Pflanzenkunde, besonders für Anfänger als Anleitung zur Pflanzenkenntniss, ... Gotha und Erfurt (Hennings'sche Buchhandlung) 1831-1832. 3 vols. Oct. (*Deutschl. Pfl.-Blüthe-Kalend.*).
*1*: 1831 (p. x: Blüthenmonat 1831), p. [i]-x, [1]-447, [448, colo.; 449 err.].
*2*: 1831, p. [i], [1]-332, [333, err.].
*3*: 1832, p. [i], [1]-78.
*Copies*: B-S, HH.

**Weismann, August** (1834-1914), German (Hessen) zoologist and geneticist; studied medicine at Göttingen; practiced at Rostock; at the University of Freiburg i.Br. as lecturer 1863, professor 1866, full professor 1873-1912; early student of chromosomes

and evolutionary biology and originator of the germplasm theory of heredity. (*Weismann*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Moebius p. 70, 192.

BIOFILE: Anon., Bot. Centralbl. 126: 640. 1914 (d.); Brit. Mus. cat. gen. print. books 254: 862-864. 1965; Hedwigia 56: (147). 1915 (d.); Nature 79: 136. 1908 (Darwin medal); Proc. R. Soc. Edinburgh 36: 27. 1917 (obit. not.); Science ser. 2. 18: 191. 1903, 19: 317. 1904, 39: 204. 1914, 40: 739. 1914.

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Daintith, J. et al., Biogr. encycl. scientists 2: 832. 1981 (b. 17 Jan 1834, d. 6 Nov 1914).
Degener, H.A.L., Wer ist's, ed. 4. 1521. 1909, ed. 6. 1738. 1912, ed. 7. 1822. 1914, ed. 8. 1790. 1922.
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Williams, T.I., Biogr. dict. scientists 547-548. 1969 (b. 17 Jun 1834, d. 5 Nov 1914).
Wittrock, V.B., Acta Horti Berg. 3(3): 156. 1905.

**17.057.** *Über die Berechtigung der Darwin'schen Theorie.* Ein Akademischer Vortrag gehalten am 8. Juli 1868 in der Aula der Universität zu Freiburg im Breisgau ... Leipzig (Verlag von Wilhelm Engelmann) 1868. Oct. (*Berecht. Darwin. Theorie*).
*Publ.*: 1868 (p. iv: 2 Aug 1868), p. [i]-iv, [5]-39, [40, colo.]. *Copies*: M, MO.

**17.058.** *Ueber den Einfluss der Isolirung auf die Artbildung* ... Leipzig (Verlag von Wilhelm Engelmann) 1872. Oct. (*Einfl. Isolir. Artbild.*).
*Publ.*: 1872, p. [i]-iv, [1]-108. *Copies*: B, NY, PH.

**17.059.** *Die Continuität des Keimplasma's* als Grundlage einer Theorie der Vererbung ... Jena (Verlag von Gustav Fischer) 1885. Oct. (*Cont. Keimplasma*).
*Publ.*: 1885 (Bot. Zeit. 31 Jul 1885; J. Bot. Sep 1885), p. [i]-vi, [1]-122. *Copy*: B.

**17.060.** *Die Bedeutung der sexuellen Fortpflanzung* für die Selektions-Theorie ... Jena (Verlag von Gustav Fischer) 1886. Oct. (*Bedeut. sex. Fortpfl.*).
*Publ.*: 1886 (Bot. Zeit. 12 Feb 1886), p. [i]-viii, [1]-128. *Copies*: B, G, M, MO, NY.

**17.061.** *Botanische Beweise für eine Vererbung erworbener Eigenschaften* ... Erlangen (Verlag von Eduard Besold) 1888. Oct.
*Publ.*: 1 Apr 1888, cover-t.p., p. [65]-109. *Copy*: B. – Reprinted and to be cited from Biol. Centralbl. 8(3-4): [65]-109. 1888.

**17.062.** *Das Keimplasma*, Eine Theorie der Vererbung ... Jena (Verlag von Gustav Fischer) 1892. Oct. (*Keimplasma*).
*Publ.*: Nov 1892 (p. xviii: 19 Mai 1892; Bot. Zeit. 11 Nov 1892, 1 Jan 1893), p. [i]-xviii, [1]-628, [629, err.]. *Copies*: G, NY.
*English transl.*: 1893 (p. [vii]: 28 Nov 1892; Bot. Zeit. 1 Aug 1893), p. [i]-xxii, [xxiii], [1]-477. *Copies*: NY, PH. – *The germ-plasm*: a theory of heredity ... translated by W. Newton Parker ... and Harriet Rönnfeldt, ... London (Walter Scott, Ltd., ...) 1893. Oct. (*Germ-plasm*).

**17.063.** *Aufsätze über Vererbung* und verwandte biologische Fragen ... Jena (Verlag von Gustav Fischer) 1892. Oct. (*Aufsätze Vererb.*).
*Publ.*: 1892 (p. v: 16 Jul 1892; Bot. Zeit. 2 Dec 1892), p. [i]-v, [vii], [1]-848. *Copies*: G, NY, U.
*English transl.*: 1891-1892, 2 vols. *Copies*: MO, NY, PH. – *Essays upon heredity* and kindred biological problems ... edited by Eduard B. Poulton, ... Oxford (at the Clarendon Press) 1891-1892. (*Essays hered.*).
*1*: 1891, p. [i]-xv, [1]-471, 472 (colo.).
*2*: 1892, p. [i]-v, [vi-viii], [1]-226.

**17.064.** *Vorträge über Descendenztheorie* gehalten an der Universität zu Freiburg im Breisgau ... Jena (Verlag von Gustav Fischer) 1902, 2 vols. Oct. (*Vortr. Descendenztheorie*).
*Ed.* [*1*]: 1902. *Copy*: NY.
*1*: 1902 (p. viii: 20 Feb 1902), p. [i]-xii, [1]-456.
*2*: 1902, p. [i]-vi, [1]-462. *pl. 1-3.*
*Ed. 2*: 1904. *Copy*: PH.
*1*: 1904 (p. vii: 20 Feb 1902), p. [i]-xii, [1]-340.
*2*: 1904, p. [i]-vi, [1]-344, *pl. 1-3.*
*Ed. 3*: 1913. *Copies*: B, BR.
*1*: 1913, p. [i]-xiv, [1]-342.
*2*: 1913, p. [i]-vii, [1]-354.
*English transl.*: 1904, 2 vols. *Copies*: MO, NY, PH. – *The evolution theory* ... translated ... by J. Arthur Thomson ... and Margaret R. Thomson ... London (Eduard Arnold) 1904, 2 vols. Oct. (*Evol. theory*).
*1*: 1904, p. [i]-xvi, [1]-416, *pl. 1-3.*
*2*: 1904, p. [i-vii], [1]-405, [406, err.].

**Weiss, [Christian] Ernst** (1833-1890), German (Prussian-Saxony) palaeontologist; studied at Halle and Berlin; state teacher's examination 1858; Dr. phil. Halle 1859; teacher at the royal mining school in Saarbrücken 1860; lecturer Univ. Bonn 1868; from 1878 state geologist and professor at the mining academy in Berlin. (*C.E. Weiss*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 346; BJI 1: 62; BM 5: 2287-2288; CSP 6: 311 ("Ernst W."), 8: 1213-1215, 11: 777, 12: 775, 19: 532; Herder p. 354; Jackson p. 179, 180; Morren ed. 10, p. 7; NI 2127-2128; PR 10145, 10671; Quenstedt p. 454.

BIOFILE: Andrews, H.W., Fossil hunters 308-309. 1980.
Anon., Bot. Centralbl. 43: 280. 1890 (d.); Bot. Zeit. 48: 498. 1890 (d.); Leopoldina 26: 167. 1890 (obit. not.); Nature 42: 523. 1890 (d.); Österr. bot. Z. 40: 394. 1890 (d.); Science 16: 202. 1890 (d.).
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Zittel, K.A. von, Gesch. Geol. Paläont. 867 [index][. 1899; Hist. geol. palaeont. 453, 455, 463. 1901.

EPONYMY: *Weissia* G.W. Rothwell et T.N. Taylor (1971); *Weissistachys* G.W. Rothwell et T.N. Taylor (1971).

NOTE: Posthumous publication, completed and edited by T. Sterzel, *Die Sigillarien der preussischen Steinkohlen- und Rothliegenden-Gebiete*, II. Die Gruppe der Subsigillarien, Abh. k. preuss. geol. Landesanstalt ser. 2. 2. 1893, p. [i]-xvi, [1]-255, [256-260] and Atlas, 2 t.p.'s, *28 pl. Copy*: NSUB.

**17.065.** *Fossile Flora der jüngsten Steinkohlenformation* und des Rothliegenden im Saar-

Rhein-Gebiete ... Bonn (Verlag von A. Henry) 1869-1872. Qu. (*Foss. Fl. Steinkohlenform.*).
*Heft 1*: Oct 1869 (for dates see contents of completed volume), p. [1]-100, *pl. 1-3, 4/5, 6-8, 9/10, 11-12.*
*Heft 2(1)*: Dec 1870 (antedated 1871), p. 101-140, *pl. 13, 14, 18.*
*Heft 2(2)*: Dec 1870, p. 141-212, *pl. 15-17, 19/20.*
*Heft 3*: Mar 1872, p. 213-250, [1, contents].
*Copies*: G, NY, U.

**17.066.** Beiträge zur fossilen Flora ... *Steinkohlen-Calamarien*, mit besonderer Berücksichtigung ihrer Fructificationen ... Berlin (Verlag der Neumann'schen Kartenhandlung) 1876. Oct. (*Steinkohl.-Calamar.*).
*Publ.*: Dec 1876 (t.p.: 1876; p. x: Dec 1876), p. [i]-x, [xi], [1]-149, [150], *pl. 1-18. Copies*: BR, U. – Issued as Abh. geol. Specialkarte Preussen 2(1). 1876.
*Continuation*: 1884, p. [i]-viii, [ix], [1]-204. *28 pl. Copies*: Louisiana State Univ., U. – Publ. in id., 5(2): [i]-viii, [ix], [87]-290. 1884 (no. 3 in series *Beiträge zur fossilen Flora*).
*Other parts* in series *Beiträge*: no. 2: *Die Flora des Rothliegenden* ... Ib. 3(1). 1879, 38 p.; nos. 4/5: *Die Sigillarien der preuss. Steinkohlengebiete* ... ib. 7(3). 1886, 88 p.

**17.067.** *Ueber einige Pflanzenreste aus der Rubengrube* bei Neurode in Nieder-Schlesien ... Berlin (A.W. Schade's Buchdruckerei ...) 1885. Oct.
*Publ.*: 1885 (Bot. Centralbl. 31 Aug-4 Sep 1885), cover-t.p., p. [1]-8, *pl. 1. Copy*: NY. – Reprinted and to be cited from Jahrb. k. preuss. geol. Landesanst. 1884: [1]-8, *pl. 1.* 1885.

**17.068.** *Zur Flora der ältesten Schichten des Harzes* .... Berlin (A.W. Schade's Buchdruckerei ...) 1885. Oct.
*Publ.*: 1885 (Bot. Centralbl. 5-9 Oct 1885), cover-t.p., p. [148]-180, *pl. 5-7* with text. *Copy*: NY. – Reprinted and to be cited from Jahrb. k. preuss. geol. Landesanst. 1884: [148]-180, *pl. 5-7.* 1885.

**17.069.** *Ueber Fayolia Sterzeliana* n.sp. ... Berlin (A.W. Schade's Buchdruckerei ...) 1888. Oct.
*Publ.*: 1888 (Bot. Zeit. 27 Jul 1888), cover-t.p., p. [94]-99, *pl. 4* with text. *Copy*: NY. – Reprinted and to be cited from Jahrb. k. preuss. geol. Landesanst. 1887: [94]-99. *pl. 4.* 1888.

**17.070.** *Fragliche Lepidodendronreste* im Rothliegenden und jüngeren Schichten ... Berlin (A.W. Schade's Buchdruckerei ...) 1889. Oct.
*Publ.*: 1889 (Bot. Zeit. 26 Jul 1889), p. [159]-165, [166], *pl. 2. Copy*: BR. – Reprinted and to be cited from Jahrb. k. preuss. geol. Landesanst. 1888: [159]-165, [166], *pl. 2.* 1889.

**Weiss, Emanuel** (1837-1870), Bohemian-born Austrian naval physician and botanist; Dr. med. Wien; physician on board the "Huszar" 1864-1865 cruising in the Adriatic; in the Levant with the "Velebic" 1866-1867; stationed at Pola 1868; on the Austrian Eastern Asiatic expedition on the "Erzherzog Friedrich" 1868-1870. (*Em. Weiss*).

HERBARIUM and TYPES: BP and W. – Other material in A, B (mainly destr.), BO, L, W, WRSL. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 128-129; Barnhart 3: 474 (b. 9 Jul 1837, d. 25 Mai 1870); CSP 8: 1215; DTS 1: 321; LS 28590; Rehder 1: 447, 449; Saccardo 1: 174; SK 1: 566, 5: cccxxxii; Tucker 1: 738; Urban-Berl. p. 317, 323, 409.

BIOFILE: Anon., Bot. Not. 1871: 36 (d.); Bot. Zeit. 28: 616. 1870 (d.).
Beck, G., Veg.-Verh. Illyr. Länd. 9, 23. 1901 (Veg. Erde 4).
Gombocz, E., Bot. Közlem. 30: 110-111, 117. 1933 (on the BP coll. by Weiss).
Tommassini, M. v., Verh. zool. bot. Ges. Wien 20: 621-632. 1870 (main biogr., data on collections and travels; travel account by Weiss; bibl.).
Wettstein, R. v., Bot. Anst. Wiens 81. 1894.

NOTE: Weiss' collections made on the Eastern Asiatic expedition 1868-1870 were the basis of A. Kanitz, *Exped. Asiae orient.* 1878, TL-2/3508 (Coll. BP). – A preliminary list of the plants collected was distributed by A. Kanitz in 1878 as "*Anthophyta quae in Japonica legit* ..." (BSbF 25 (Bibl.): 216. 1879), p. [1]-31. *Copy*: USDA (p. 31: Apr 1878).

**17.071.** *Floristisches aus Istrien*, Dalmatien und Albanien ... [Verh. zool.-bot. Ges. Wien 1866-1867, 2 parts]. Oct.
[*1*]: 2 Jan 1867 (mss. submitted 6 Jun 1866; Heft 4 of Abh. publ. 2 Jan 1867; KNAW rd. 1867), p. [571]-584. – *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 16 (Abh.): 571-584. 1866.
[*2*]: Jan 1878 (KNAW rd. Mar 1868). – Ib. 17 (Abh.): 753-762. 1867.

**17.072.** *Eine neue Kugeldistel-Art* ... (Aus den Verhandlungen d. k.k. zoologisch-botanischen Gesellschaft in Wien ... besonders abgedruckt ... 1868). Oct.
*Publ.*: Aug 1868 (read 6 Mai 1868; Flora 15 Aug 1868), p. [1]-4. *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 18 (Abh.): [433]-436. 1868.

**17.073.** *Beiträge zur Flora von Griechenland* und Creta ... [Verh. zool.-bot. Ges. Wien 1869]. Oct.
[*1*]: 1869 (read 2 Dec 1868), p. [37]-54. *Copies*: B, HH, NY. – Reprinted and to be cited from Verh. zool.-bot. Ges., Wien 19 (Abh.): [37]-54. 1869.
[*2*]: 1869 (read 6 Oct 1869; KNAW Apr 1870), p. [741]-758. *Copies*: HH, NY. – Id. 19 (Abh.): [741]-758. 1869.

**Weiss, Frederick Ernest** (1865-1953), British botanist; B.Sci. London 1888; studied botany and zoology at University College, London 1884; Quain student and lecturer of botany ib. 1889-1892; professor of botany Univ. Manchester 1892-1930; R.H.S. Victoria Medal of Honour 1947, Linnean medal 1949; travelled in S. Africa 1905. (*F.E. Weiss*).

HERBARIUM and TYPES: UCSW (herb. pathol.). – Other material in K (S. Afr.), MANCH. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 346; Barnhart 3: 474; BJI 2: 188; BM 5: 2288; CSP 19: 534; Desmond p. 650 (b. 2 Nov 1865, d. 7 Jan 1953); Hirsch p. 319; LS 28591-28593, 40486; MW p. 526; SO 3534; Tucker 1: 738, 3: 329.

BIOFILE: A.A.D. et al., North Western Naturalist 25: 603-608. 1953 (obit. portr.).
Anon., Ber. deut. bot. Ges. 68: 105. 1955 (d.); Bot. Zeit. 50: 352. 1892 (app. Manchester); Gard. Chron. 1953(1): 28; Pharm. J. 1953: 43 (obit. not.); Who's who (London): 1905-1953; Who was who (London) 5: 1149-1150. 1951-1960.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 224.105, 255.71. 1980.
Gunn, M. & L.E. Codd, Bot. expl. S. Afr. 373. 1981.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 270. 1984.
Lang, W.H. et al., North. West. Natural. 5(2): 71-77. 1930 (tributes upon retirement).
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 342. 1914.
Thomas, H.H., Obit. Not. Fellows Roy. Soc. 22(8): 601-608. 1953 (obit., portr., bibl.); Nature 171: 285-286. 1953 (obit.).
W.O.H., Mem. Proc. Manch. lit. philos. Soc. 94: i-iii. 1953 (obit.).

**17.074.** *On the phloem of Lepidophloios and Lepidodendron* ... Manchester (36 George Street) 1901. Oct.
*Publ.*: 10 Jul 1901 (see p. 1), cover-t.p., p. [1]-22, *pl. 2-3*. *Copy*: BR. – Issued as Mem. Proc. Manch. lit. philos. Soc. 45(3), no. 7. 1901.

**17.075.** *On Xenophyton radiculosum* (Hick), and a Stigmarian rootlet probably related to Lepidophloios fuliginosus (Williamson) ... Manchester (36, George Street). 1902. Oct.
*Publ.*: 10 Mar 1902 (see p. 1), cover-t.p., p. [1]-16. *pl. 11-13*. *Copies*: BR, G. – Issued as Mem. Proc. Manchester lit. philos. Soc. 46(3), no. 9. 1902.
*Ref.*: Solms-Laubach, H., Bot. Zeit. 60(2): 250-251. 16 Aug 1902 (rev.).

**17.076.** *A probable parasite of Stigmarian rootlets* ... Reprinted from The New Phytologist ... 1904. Oct.
*Publ.*: Mar 1904, cover, p. [63]-68. *Copy*: B. – Reprinted and to be cited from New Phytol. 3(3): [63]-68. 1904.

**17.077.** *A mycorhiza from the Lower Coal-Measures* ... Annals of Botany ... 1904. Oct.
*Publ.*: Apr 1904, p. [255]-265, *pl. 18-19*. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 18: [255]-265, *pl. 18-19*. 1904.

**17.078.** The Manchester Museum. Museum handbooks. *Chapters from the evolution of plants* an abstract of three lectures delivered in the Manchester Museum ... Manchester (Sherratt & Hughes, ...) London (Dulau & Co., ...) 1909. Oct. (*Chapt. evol. pl.*).
*Publ.*: 1909, p. [1]-22. *Copies*: MO, NY.

**17.079.** *Plant structure and environment* with special reference to fossil plants ... Reprinted from the Journal of Ecology ... 1925. Oct.
*Publ.*: Sep 1925, cover-t.p., p. [301]-313. *Copy*: NY. – Reprinted and to be cited from J. Ecol. 13(2): 301-303. 1925.

**17.080.** *Plant life and its romance* ... London (Longmans, Green and Co., ...) 1928. Oct. (*Pl. life romance*).
*Publ.*: 1928 (Nat. Nov. Nov 1928), p. [i]-viii, 1-136. *Copies*: HH, NY.

**17.081.** *The problem of graft hybrids and chimaeras* ... Cambridge (at the University Press) [1930]. Oct.
*Publ.*: Jul 1930, cover-t.p., p. [i-ii], [231]-271. *Copy*: B. – Reprinted and to be cited from Biol. Rev. 5(3): [231]-271. 1930.
*Addenda*: Jan 1931, p. [1]. *Copy*: B. – Id. 6(1): 1. Jan 1931.

**17.082.** *A re-examination of the Stigmarian problem* ... London (printed by Taylor and Francis, ...) 1932. Oct.
*Publ.*: 1932, cover-t.p., err. slip, p. 151-166. *Copy*: B. – Reprinted and to be cited from Proc. Linn. Soc. London 144: 151-166. 1932.

**Weiss, Friedrich Wilhelm** (1744-1826), German (Hannoverian) physician and botanist; Dr. med. Göttingen 1769; lecturer in medicine at Göttingen University 1769-1784; Fürstlich-Rotenburgischer Hofrat and personal physician to the Landgraf of Hessen-Rotenburg from 1784. (*F.W. Weiss*).

HERBARIUM and TYPES: Unknown; A. de Bary (1869) noticed an offer for sale of a herbarium stemming from F.W. Weiss and Willich. We do not know who bought the herbarium. Wagenitz (1982) mentions no F.W. Weiss material for GOET. Some F.W. Weiss material in B (mainly destr.), E (herb. Giseke), PH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 474; BM 5: 2288; Dryander 3: 12, 220, 618, 5: 484; GR p. 54, 73; HA 2: 603; Herder p. 96, 238; Hortus 3: 1206; Jackson p. 34, 304 (p.p.); Krempelh. 2: 38; LS 28594; Moebius p. 94; PR 6524, 10146-10149, ed. 1: 7284, 11130-11132; Rehder 4: 61; SBC p. 134; TL-2/6485; Tucker 1: 738; Urban-Berl. p. 409.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 254: 884. 1965.
Bary, A. de, Bot. Zeit. 27: 862-863. 1869 (sale herb.).
Grummann, V.J., Taxon 11: 167-169. 1962 (biogr. and bibl. details; proposes to use "Weisz" rather than Weiss).
Hulth, J.M., Bref Skrifv. Linné 2(1): 268. 1916.
Lütjeharms, W.J., Gesch. Mykol. 262 [index]. 1936.
Pütter, Versuch acad. Gelehrten-Gesch., Göttingen 1: 105-106. 1788, 2: 105-107. 1789, 3: 242. 1820, 4: 317. 1838.

COMPOSITE WORKS: Translated and annotated J.S. Mueller (J. Miller) *Ill. syst. sex. Lin-*

*naeani*: 1789, TL-2/6483. – N.B. Spelling of translator's name on t.p.: Fridericus Guilielmus Weiss.

NOTE: Weiss spelled his name "Weis" on his dissertation and "Weiss" on his edition of J. Miller's *Illustratio* ... Actually the family name was "Weisz" (with gothic script symbol for "sz"), regularly transliterated in Latin script as Weiss. See Grumman (1962) for details. Grumman's suggestion, however, to use the transliteration "Weisz" cannot be followed by us because it is contrary to firmly established custom and was never used by Weiss himself.

EPONYMY: *Dicranoweisia* [sic] S.O. Lindberg ex J. Milde (1869); *Gymnoweissia* (Bruch et W.P. Schimper) Montagne (1847); *Gyroweisia* [sic] W.P. Schimper (1876, *nom. cons.*); *Oreoweisia* [sic] (Bruch et W.P. Schimper) G. de Notaris (1869); *Pleuroweisia* [sic] Limpricht ex Schliephacke (1885); *Rhabdoweissia* Bruch et W.P. Schimper (1846); *Weisiodon* [sic] W.P. Schimper (1856); *Weisiopsis* [sic] V.F. Brotherus (1921); *Weissia* J. Hedwig (1801); *Weissia* F. Ehrhart ex P.G. Gaertner et al. (1803); derivation of *Weissia* Batista et Herrera (1964) could not be determined.

**17.083.** *Plantae cryptogamicae florae gottingensis* specimen inaugurale jussu gratiosi medicorum ordinis in Academia Georgia Augusta pro summis in medicina honoribus et privilegiis rite obtinendis publico eruditorum examini submittit Fridericus Guilielmus Weis gottingensis. D. vii. Octobr. mdcclxix. Gottingae [Göttingen] (litteris Joannis Henrici Schulzii, ...) 1769. Oct. (*Pl. crypt. fl. gott.*).
*Thesis ed.*: 7 Oct 1769, p. [i*], *pl.* [*1*] (col. copp.), p. [i]-xii, [1]-35, [1, theses]. *Copies*: BR, Cornell Univ. Libr., LD, NSUB.
*Commercial completed ed.*: 1770, (NZgS 31 Jan 1771), p. [i*-vi*], [i]-xii, [1]-333, [334], *1 pl.* (col. copp. Kaltenhofer). *Copies*: B, G, H, HH, MICH, NY, Stevenson, U, USDA.

**17.084.** D. Friedrich Wilhelm Weiss *Betrachtung über die nutzbare Einrichtung academischer Vorlesungen* in der Botanik. Nebst Anzeige seiner Vorlesungen im Winter 1774. [Göttingen, gedruckt bey F.A. Rosenbusch]. Qu. (*Betracht. acad. Vorles.*).
*Publ.*: 1774, p. [i]-viii. *Copy*: NSUB.

**17.085.** Friedrich Wilhelm Weiss ... *Entwurf einer Forstbotanik*. Zum Gebrauch academischer Vorlesungen. Erster Band ... Göttingen (im Verlag der Wittwe Vandenhoeck) 1775. Oct. (*Entw. Forstbot.*).
*Publ.*: 1775, p. [i-xvi], [1]-358, [359, err.; 360, binder], *pl. 1-8. Copies*: HH, M, NSUB.

**Weiss,** [Joseph **Gustav**] **Adolf** (1837-1894), Austrian-Silesian botanist; educated at the Gymnasium of Troppau 1847-1855 and the University of Vienna 1855-1858; Dr. phil. ib. 1858; habil. ib. 1860; assistant at the k.k. Hof-Mineralienkabinett 1860-1862; regular professor of botany Lemberg 1862-1871 ("der jüngste Ordinarius Oesterreichs" Skofitz); id. Univ. Prague 1872, founding the first plant physiological institute in the Austrian-Hungarian Empire. (*G.A. Weiss*).

HERBARIUM and TYPES: At the former Lemberger Universitäts-Museum (now Lwow: LW; still present?); some material in WRSL.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 556-558 (E. Wunschmann); Barnhart 3: 474 (b. 25 Aug 1837, d. 17 Mar 1894); BM 5: 2288; Bossert p. 430; De Toni 1: cxxix-cxxx, 2: cxx; Herder p. 149; Jackson p. 62, 102, 159; LS 28585-28589 ("Adolf J."); Maiwald p. 69; Morren ed. 2, p. 14, ed. 10, p. 33; PR 10144; Rehder 1: 101; Tucker 1: 738 ("Adolf J. Weiss"); WU 54: 82-87 (biogr., bibl.).

BIOFILE: Anon., Almanach Akad. Wiss. Wien 31: 148. 1881, 44: 34, 259-263. 1894; Bot. Centralbl. 1-2: 687. 1880 (memb. Akad. Wien), 48: 31 (d. [erroneous]), 207 (correction). 1891, 58: 144 (d.), 191 (succeeded by Hans Molisch). 1894; Bot. Not. 1895: 38 (d.); Bot. Zeit. 21: 48. 1863 (app. Lemberg), 29: 96. 1871 (app. Prag); Nat. Nov. 2: 120. 1880 (memb. Akad. Wien), 13: 298 (d. [erroneous]), 446 (correction). 1891,

16: 168. 1894 (d.); Österr. bot. Z. 13: 22. 1863 (app. Lemberg), 21: 48. 1871 (app. Prag; trip to Tunisia), 44: 159. 1894 (d.).
Błocki, B., Österr. bot. Z. 31(7): 220-224. 1881 (herb. in Lemberger Universitäts-Museum).
Handlirsch, A. & R. v. Wettstein, eds., Botanik und Zoologie in Österreich ... 1850 bis 1900, Wien 1901, 619 [index, many entries!].
Molisch, H., Ber. deut. bot. Ges. 12: (28)-(34). 1894 (obit., bibl.).
Nestler, A., Österr. bot. Z. 44(9): 321-324. 1894 (obit., bibl.).
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1289. 1863, 3: 1429. 1898.
Skofitz, A., Österr. bot. Z. 34: 1-7. 1884 (detailed biogr. account; portr., b. 26 Aug 1837).
Wittrock, V.B., Acta Horti Berg. 3(2): 86. 1903 (portr.), 3(3): 71. 1905.

NOTE: G. Adolf Weiss died on 17 Mar 1894; he had been reported dead on three occasions: in 1861 when he survived the Patras earthquake, in 1871 on the expedition to observe a solar exclipse off the coast of Tunis, and in 1891 when various botanical journals brought the news of his death based on a misunderstanding. Weiss signed himself Adolf or G. Adolf in his publications, and is often listed as A. Weiss and sometimes even as "Adolf J." Weiss was indeed baptised "Joseph Gustav Adolf", and used these three names in his earliest publications. He later used "Adolf Weiss" but changed again (because of too many homonyms) to Gustav Adolf, e.g. in his major work *Anatomie der Pflanzen*, 1878. Ultimately he wrote "Adolf G.".

**17.086.** *Die Pflanzenhaare* ... Berlin. 1867. Oct.
*Publ.*: 1867, p. [i-ii], [369]-673. *pl. 20-32. Copy*: M. – Reprinted from H. Karsten, ed., Bot. Unters. 1 (4-5): 369-673, *pl. 20-32*. 1867.

**17.087.** *Anatomie der Pflanzen* ... Wien (Wilhelm Braumüller ...) 1878. Oct. (*Anat. Pfl.*).
*Publ.*: 1878 (p. [v]: Nov 1877; ÖbZ rev. 1 Jul 1878; Flora rd. 11-21 Jun 1878), p. [ii]-xvi, [xvii], [1]-521, [532, err.], *pl. 1-2* with text. *Copies*: B, B-S, G, H, HH, M, PH. – Other t.p.: *Allgemeine Botanik* (Anatomie, Morphologie, Physiologie). Zwei Bände. I. Band ... No further volumes published.
*Ref.*: Bary, A. de, Bot. Zeit. 37: 43-45. 1879 (rev.).

**Weiss, Johann Evangelista** (1850-1918), German (Bavarian) high school teacher and botanist; Dr. phil. 1876; Hattingen (Westfalen) 1877-1881; from 1883 lecturer (Privat-Dozent) at the University of München; assistant at the München herbarium 1888; connected with Bavarian station for phytopathology in Weinstephan and teacher at Freising from 1896. (*J. Weiss*).

HERBARIUM and TYPES: Westfalen material at GOET. – *Exsiccatae*: *Herbarium pathologicum* Lief. 1-8, nos. 1-200, 1916-1921, from Lief. 5, 1919 continued by R. Staritz. Set at SI. *Herbarium pathologicum der landwirtschaftlichen Kulturgewächse und Gemüsepflanzen* Lief. 1, nos. 1-25, 1918.
*Id.* der *Obstgehölze* und *Beerensträucher*, Lief. 1, nos. 1-25. 1918.
*Id.* der *Zierpflanzen*, *Park- und Alleebäume*, Lief. 1, nos. 1-25. 1918.
*Letter* to K. Keck at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 474 (b. 3 Jul 1850, d. 9 Dec 1918); Biol.-Dokum. 19: 9882-9883; BM 5: 2288-2289; CSP 11: 778, 12: 775, 19: 535; De Toni 4: lviii; LS 28595-28644, 40488-40499; Morren ed. 10, p. 18; Nordstedt p. 32; Rehder 5: 911; Tucker 1: 739.

BIOFILE: Anon., Bot. Centralbl. 34: 383. 1888 (asst. M); Mitt. bayer. bot. Ges. 3: 522. 1920 (d. 9 Dec 1918); Nat. Nov. 18: 401. 1896 (to Freising as prof. of botany and zoology); Österr. bot. Z. 38: 258. 1888 (asst. M).
Degener, H.A.L., Wer ist's ed. 5. 1578-1579. 1911, ed. 6. 1740. 1912, ed. 7. 1824. 1934.
Runge, F., Abh. Landesmus. Naturk. Münster, Westf. 29(1): 31. 1967.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 342-343. 1914.
Wagenitz, G., Index coll. princ. herb. Gott. 175. 1982.

**17.088.** *Wachsthumsverhältnisse & Gefässbündelverlauf der Piperaceen.* Inauguraldissertation ... Regensburg (Neubaur'sche Buchdruckerei (F. Huber)) 1876. Oct. (*Wachsthumsverh. Gefässb. Piperac.*).
*Publ.*: 21 Jul-11 Sep 1876 (in journal; Bot. Zeit. 27 Oct 1876), p. [1]-40, *pl. 11-12. Copies*: HH, M, NSUB. – Preprinted or reprinted from Flora 59: 321-328. 21 Jul, 337-344. 1 Aug, 353-362. 11 Aug, 385-391. 1 Sep, 401-411. *pl. 11-12.* 11 Sep 1876.

**17.089.** *Das markständige Gefässbündelsystem* einiger Dikotyledonen in seiner Beziehung zu den Blattspuren. Habilitationsschrift ... Cassel (Theodor Fischer) 1883. Oct.
*Publ.*: 27 Aug-29 Sep 1883 (in journal; Flora rd. 11-21 Nov 1883), p. [i-ii], [1]-55, [56], *pl. 1. Copies*: B, M. – Preprinted or reprinted from Bot. Centralbl. 15: 280-295. 27 Aug-1 Sep, 318-327. 3-8 Sep, 358-367. 10-15 Sep, 390-397. 17-22 Sep, 401-415. 24-29 Sep 1883.

**17.090.** *Vademecum botanicorum.* Verzeichniss der Pflanzen des Deutschen Florengebietes zum Gebrauche auf botanischen Excursionen, bei phänologischen Beobachtungen und als Herbarkatalog ... Passau (M. Waldbauer's Buchhandlung (Max Coppenrath)) 1888. Oct. (*Vadem. bot.*).
*Publ.*: Mai 1888 (p. 4: Mar 1888; Bot. Centralbl. 18-22 Jun 1888; Bot. Zeit. 22, 27 Jul 1888; Nat. Nov. Mai (1, 2) 1888), p. [1]-216. *Copies*: B, BR, HH.

**17.091.** *Beitraege zur Kenntniss der Korkbildung* .... Stadtamhof (Druck von J. & K. Mayr) 1890. Qu. (*Beitr. Kenntn. Korkbild.*).
*Publ.*: 1890 (rev. F. Niedenzu, Bot. Jahrb. 12 (Lit.): 47-48. 23 Dec 1890; Nat. Nov. Jul(1) 1890), cover-t.p., p. [1]-68, [69, expl. pl.], *1 pl. Copies*: B, M. – Issued as Denkschr. bayer. bot. Ges. 6, 1890, 69 p. *1 pl.*

**17.092.** *Schul- und Excursions-Flora von Bayern* ... München und Leipzig (Dr. E. Wolff, ...) 1894. Oct. (*Schul- Excurs.-Fl. Bayern*).
*Publ.*: Apr 1894 (p. iv: Mar 1894; Bot. Centralbl. 4 Jun 1894; Bot. Zeit. 16 Jun 1894; Nat. Nov. Apr(1) 1894), p. [i]-lxiii, [1]-520. *Copies*: B, HH, M.

**17.093.** *Schul- und Excursions-Flora von Deutschland* ... München und Leipzig (Dr. E. Wolff, ...) 1894. Oct. (*Schul- Excurs.-Fl. Deutschl.*).
*Publ.*: Apr 1894 (p. iv: Mar 1894; Nat. Nov. Apr(1) 1894; announcement of publ. by publisher dated Mai 1894, 1 p. pamphlet at MO; Bot. Zeit. 16 Jun 1894; ÖbZ Sep 1894), p. [i]-lxiii, [1]-575, [576, colo.]. *Copies*: B-S, G, M.
*Ref.*: Drude, O., Bot. Zeit. 52: 314-315. 16 Oct 1894 (rev.).

**17.094.** *Grundriss der Botanik.* Ein Leitfaden für den botanischen Unterricht zum Gebrauche an Mittelschulen und zum Selbstunterricht ... München und Leipzig (Wissenschaftlicher Verlag von Dr. E. Wolff) 1895. Oct. (*Grundr. Bot.*).
*Publ.*: Mar 1895 (p. iv: Mar 1895; Bot. Zeit. 1 Mar 1895; ÖbZ for Apr 1895; Bot. Centralbl. 24 Apr 1895; Nat. Nov. Mar(2) 1895), p. [i]-viii, [1]-279. *Copy*: G.
*Ed. 2*: 1898 (Nat. Nov. Mai(1) 1898), p. [i]-viii, [1]-299 (n.v.).
*Ed. 3*: 1900 (preface Mar 1900), n.v.
*Ed. 4*: 1902 (p. v: Mar 1902; ÖbZ for Oct-Nov 1902; Bot. Zeit. 16 Nov 1902; AbZ 15 Dec 1902), p. [i]-viii, [1]-317. *Copies*: B-S, John Crerar Libr.
*Ed. 5*: 1905 (Nat. Nov. Aug(1) 1905), p. [i]-viii, [1]-334 (n.v.).

**Weisse, Arthur [Friedrich Hermann]** (1861-1939), German (Prussian) botanist (morphologist); studied at Berlin University with Eichler and Schwendener; Dr. phil. ib. 1889; assistant teacher at the Berlin-Steglitz Progymnasium and the Askanische Gymnasium Berlin 1890-1892; assistant with Schwendener 1892-1898; teacher at Berlin-Zehlendorf 1898-1921, professor's title 1907; in early retirement dedicating himself fully to morphology on the basis of Schwendener's theory of phyllotaxis, in close association with the Botanical Museum, Dahlem. (*Weisse*).

HERBARIUM and TYPES: Unknown. – *Library* B (destr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 474; Biol.-Dokum. 19: 9887-9889; BJI 2: 188; BM 5: 2289; Bossert p. 430; CSP 19: 537; Hirsch p. 319; LS 40501; Moebius p. 157; MW p. 526; Rehder 5: 911.

BIOFILE: Anon., Ber. deut. bot. Ges. 54: 561. 1936 (d.); Bot. Centralbl. 74: 31-32. 1898 (app. Zehlendorf); Bot. Monatschr. 16: 72. 1898 (Oberlehrer naturwiss. Gymnasium Berlin-Zehlendorf).
Harms, H., Ber. deut. bot. Ges. 49: 1-3. 1931 (70th birthday).
Kolkwitz, R., Ber. deut. bot. Ges. 54: (166)-(170). 1936 (obit., portr., bibl.).
Schmidt, O.C., Verh. Bot. Ver. Brandenburg 77: 168. 1937 (d.).

**17.095.** *Beiträge zur mechanischen Theorie der Blattstellungen an Axillarknospen.* Inaugural-Dissertation zur Erlangung der Doctorwürde von der philosophischen Facultät der Friedrich-Wilhelms-Universität zu Berlin genehmigt und nebst den beigefügten Thesen öffentlich zu vertheidigen am 17. Juni 1889 ... Marburg (Universitäts-Buchdruckerei (R. Friedrich)) 1889. Oct.
*Publ.*: 15 Mai 1889 (in journal; thesis 1-17 Jun 1889; Nat. Nov. Nov(1) 1889), p. [1]-32, [33, theses; 34 curr. vit.], *pl. 4. Copies*: B, G. – Reprinted and to be cited from Flora 72(2): 114-140. 1889.

**17.096.** *Neue Beiträge zur mechanischen Blattstellungslehre* ... Berlin (Gebrüder Borntraeger ...) 1894. Oct.
*Publ.*: 1894 (Nat. Nov. Jul(2) 1894), cover-t.p., p. [i, recto of 236], [236]-294, *pl. 13-14. Copy*: B. – Reprinted and to be cited from Jahrb. Wiss. Bot. 26(2): [236]-294, *pl. 13-14.* 1894.

**17.097.** *Die Zahl der Randblüthen an Compositenköpfchen* in ihrer Beziehung zur Blattstellung und Ernährung ... Berlin (Gebrüder Borntraeger) 1897. Oct.
*Publ.*: Mai 1897 (Nat. Nov. Jun(2) 1897; Bot. Zeit. 16 Jul 1897), cover-t.p., p. [i], [453]-483, *pl. 29. Copy*: B. – Reprinted and to be cited from Jahrb. wiss. Bot. 30(4): [453]-483, *pl. 29.* 1897.

**17.098.** *Beitrag zur Entwickelungsgeschichte der Onograceen-Blüthe* mit besonderer Berücksichtigung des unterständigen Fruchtknotens ... Berlin (Verlag von Gebrüder Borntraeger) [1899]. Oct.
*Publ.*: Feb 1899 (date of Festschrift; repr. Nat. Nov. Mar(1) 1899), cover-t.p., p. [231]-250, *pl. 9. Copies*: B, G. – Reprinted and to be cited from [Festschrift für Schwendener] *Botanische Untersuchungen* [231]-250, *pl. 9.* 1899.

**17.099.** *Untersuchung über die Blattstellung an Cacteen* und anderen Stamm-Succulenten, nebst allgemeinen Bemerkungen über die Anschlussverhältnisse am Scheitel ... Leipzig (Gebrüder Borntraeger) 1903. Oct.
*Publ.*: Dec 1903 (Nat. Nov. Jan(1) 1904), p. [i], 344-423. *Copy*: NY. – Reprinted and to be cited from Jahrb. wiss. Bot. 39(3): 344-423. 1903.

**17.100.** *Blattstellungsstudien an Cercidophyllum japonicum* I-III. Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft... 1923-1924. Oct.
*1*: 27 Dec 1923, p. [374]-378. – Reprinted and to be cited from Ber. deut. bot. Ges. 41(9): [374]-378. 1923.
*2*: 24 Jan 1924, p. [381]-385. – Id. 41(10): [381]-385. 1924.
*3*: 27 Mar 1924, p. [70]-75. – Id. 42(2): [70]-75. 1924.
*Copy*: B.

**17.101.** *Blattstellungsstudien an einigen Anonaceen* I-II ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft... 1925-1926. Oct.
*1*: 23 Dec 1925, p. [516]-524. – Reprinted and to be cited from Ber. deut. bot. Ges. 43(9): [516]-524. 1925.
*2*: 25 Feb 1926, p. [23]-30. – Id. 44(1): [23]-30. 1926.
*Copy*: B.

**17.102.** *Der morphologische Aufbau von Corchorus und Corchoropsis* ... Sonderabdruck aus den Jahrbüchern für wissenschaftliche Botanik ... 1929. Oct.
*Publ.*: Mar 1929, p. [i-ii, cover-t.p. and date], [163]-180. *Copies*: B(2). – Reprinted and to be cited from Jahrb. wiss. Bot. 70(2): [163]-180. 1929.

**17.103.** *Blattstellungsstudien an Sämlingen* abnorm keimender Dicotylen ... Sonderabdruck aus Beiträge zur Biologie der Pflanzen ... 1930. Oct.
*Publ.*: 1930, cover-t.p., p. [17]-80, *pl. 2-3*. *Copies*: B, G. – Reprinted and to be cited from Beitr. Biol. Pfl. 18(1): [17]-80, *pl. 1-3*. 1930.

**Weitenweber, Wilhelm Rudolph** (1804-1870), Bohemian physician and botanist in Prague; Dr. med. ib. 1830; town physican in Ellbogen 1830-1833/4; practicing physician and active publicist in Prague until 1870. (*Weitenw.*).

HERBARIUM and TYPES: PR. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 622-623 (Pagel); Barnhart 3: 474 (b. 1 Oct 1804, d. 1 Apr 1870); BM 5: 2289; Frank 3(Anh.): 112; Futak-Domin p. 653-654; GR p. 462; Klásterský p. 202; Maiwald 210-211, 284 [index]; PR 10151, ed. 1: 11136; Rehder 5: 912; SBC p. 134; TL-2/1222; Tucker 1: 739; WU 54: 193-196.

BIOFILE: Anon., Bonplandia 6: 55. 1858 (cogn. Leopoldina Mogalla); Bot. Not. 1871: 35 (d.); Bot. Zeit. 28: 312. 13 Mai 1870 (d.); Brit. Mus. gen. cat. print. books 254: 951. 1965; Cat. gén. livr. impr. Bibl. natl. 220: 810. 1974; Jahresber. Schles. Ges. Vaterl. Cult. 48: 298-303. 1871 (obit.); Lotos 20: 86. 1870 (d.); Ottův slovník nauční 27: 177. 1908.
Maiwald, V. Jahresber. Gymn. Braunau 1902: 153-154.
Pax, F., Bibl. schles. Bot. 105, 143. 1929.

COMPOSITE WORKS: (1) Editor, *Beiträge zur gesammten Natur- und Heilwissenschaft*, 5 vols. of 2-3 Hefte each 1836-1840 and of *Neue Beiträge* ... 2 vols. of 6 Hefte each 1841-1842. – For botanical contributions see Futak-Domin.
(2) *Denkschrift über Aug. Jos. Corda's Leben* und literarisches Wirken, *in* Abh. k. böhm. Ges. Wiss. ser. 5. 7 (Hist.): 57-94. 1851-1852.
(3) Editor vols. 3-19, 1853-1869 of *Lotos*, Zeitschrift für Naturwissenschaften, Prague.
(4) *Denkschrift über die Gebrüder Joh. Swat. und Carl Bor. Presl*, Prag 1854, p. [1]-27. *Copy*: NSUB. – Abh. k. böhm. Ges. wiss. ser. 2. 8(2): 1-27. 1854.

EPONYMY: *Weitenwebera* F.M. Opiz (1839); *Weitenwebera* F.M. Opiz (1857); *Weitenwebera* Körber (1863).

**17.103a.** *Der arabische Kaffee*, in naturhistorischer, diätetischer und medizinischer Hinsicht geschildert von ... Prag (Gedruckt bei Thomas Thabor, ...) 1835. Oct. (*Arab. Kaffee*).
*Ed.* [*1*]: Mai 1835 (p. 8: Feb 1834; Hinrichs 24-30 Mai 1835; Flora rd. 10 Feb 1836), p. [1]-130, [131, cont.]. *Copy*: NY. – Motto on t.p.: "Süsser Kaffee! schöne freundliche Gewohnheit des gemeinsamen Schlürfens! Von dir soll ich scheiden?" *Ed. 2*: 1837, frontisp., p. [i-ii], [1]-130, [131, err.]. *Copies*: HH, KNAW, LC, PH. – *Der arabische Kaffee*, in naturgeschichtlicher, chemischer, diätetischer und ärztlicher Beziehung für Aerzte und Nichtärzte geschildert ... Zweite unveränderte Ausgabe ... Prag, Leitmeritz und Teplitz (bei Carl Wilhelm Medau) 1837. Oct.

**Welch, Winona Hazel** (1896-x), American botanist (bryologist); Dr. phil. DePaauw Univ. 1928; assistant in botany Univ. Illinois 1923-1926, head dept. biology Centr. Normal College, Indiana 1926-1927; instructor in botany DePaauw University 1928-1930; assistant professor, later professor ib. 1930-1961; emeritus professor of botany ib. 1964. (*Welch*).

HERBARIUM and TYPES: DPU. – Other material at F, ILL, IND, KY, LD, PH, WVA. – *Letters* at G, NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 474 (b. 5 Mai 1896); BL 1: 177, 178, 323; IH 1 (ed. 1): 38, (ed. 2): 56, (ed. 3): 67, (ed. 4): 73, (ed. 5): 72, (ed. 6): 104, 366, (ed. 7): 103, 346; PH 939; Roon p. 122; SBC p. 134; TL-2/781.

BIOFILE: Anon., Amer. men [and women] of science eds. 5-15. 1933-1982; Index Amer. bot. lit. 1886-1966. 4: 491-492. 1969; Who's who in America 26-32. 1950-1963.
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Welch, W.H., Curriculum vitae and bibliography (typescript; copy TL-2/archives).

COMPOSITE WORKS: (1) *Fontinalaceae*, *in* A.J. Grout, Mossflora of North America 3(4): 179-277, *pl. 45-80.* 1934, TL-2/2195.
(2) *Fontinalaceae*, North American Flora ser. 2. 3: 1-51. 15 Mar 1963 (Bibliography by H.W. Rickett on p. 31-48; many details). – Summary: Bryologist 64(1): 61-64. 1961, TL-2/781.
(3) *Hookeriaceae*, North American Flora ser. 2. 9: [i], [1]-133. 2 Jul 1976, TL-2/781.

NOTE: (1) Main publications outside our period: *Mosses of Indiana* 1957 (478 p.). *A monograph of the Fontinalaceae* 1960 (vii, 357 p.).
(2) Notices of publications in *Rev. bryol. lichénol.* 9: 160. 1936, 18: 193. 1949, 25: 386. 1956, 30: 178, 288. 1961, 34: 950. 1967, 37: 223, 1007. 1971, 38: 139, 142. 1972, 39: 503, 511, 673. 1974, 41: 508. 1976.

**17.104.** *The systematic position of* the genera *Wardia, Hydropogon, and Hydropogonella* ... Reprinted from the Bryologist ... 1943. Oct.
*Publ.*: Jun 1943, cover-t.p., p. [25]-46. *Copy*: FAS. – Reprinted and to be cited from Bryologist 46: [25]-46. 1943.

**Welden, [Franz] Ludwig** Freiherr **von** (1782-1853), German (Schwaben) soldier; studied law at Würzburg; from 1798 in the Austrian army; participated in all Austrian campaigns against Napoleon, ultimately military governor of Wien; retired 1851 as k.k. Feldmarschall; amateur botanist and horticulturist. (*Welden*).

HERBARIUM and TYPES: REG (see Ilg, 1984, p. 101-102); further material in B (extant), BP, BR, DBN, E, FI, FR, M, MW, OXF, PH, PR, W. – *Letters* at G, HAL (to D.F.L. von Schlechtendal), UPS-UB (to Steudel).

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 665-666; AG 3: 460, 6(2): 270; Backer p. 623; Barnhart 3: 475; Biol.-Dokum. 19: 9896-9897 (lists all publ. in Flora); BM 5: 2289; Clokie p. 262-263; Kanitz p. 95 (no. 139); Lasègue p. 337, 403; PR 7275, 10156, ed. 1: 8168, 11140, 11818; Rehder 1: 433; Saccardo 1: 171, 2: 114; Tucker 1: 739; WU 54: 214-222.

BIOFILE: Anon., Bot. Zeit. 6: 488. 1848 (decoration), 11: 736. 1853 (d.); Brit. Mus. gen. cat. print. books 255: 10. 1965; Cat. gén. livr. impr. Bibl. natl. 220: 897. 1974; Flora 5(1): 174-176. 1822 (list plants coll. Ital.), 6(2): 573. 1823 (at Porto Fino nr. Genua), 8(2): 574. 1825 (coll. Steyermark), Beil. 8: 83. 1825 (publ. Monte Rosa), 9(2): 574 (role in Württ. bot. Reisever.), 590 (Austria, Steyermark). 1826, 10(2): 448 (Wormser Joch), 479 (cat. plant exhib. Wien). 1827, 11(2): 575. 1828 (prize), 15(2): 404. 1832 (plants), 20(1): 128. 1837 (exhib.), 25: 757-758. 1842 (herb. will go to REG), 26(2): 719. 1843 (comm. Tirol), 31(2): 1848 (decoration), 37(1): 277 (d.), 280(herb. to REG) 1855, 41: 113. 1858 (connection with Biasoletto); Österr. bot. W. 3: 262. 1853 (d.), 9: 167. 1859 (statue in Graz).
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Ilg, W., Hoppea 42: 84, 90, 92, 101, 152, 219. 1984 (on W. and Regensb. bot. Ges.).
Lack, H.W. & C.-O. von Sydow, Willdenowia 14: 945. 1984.
Müller, R.H.W. & R. Zaunick, Friedr. Traug. Kützing 126, 298. 1960.
Neilreich, A., Verh. zool.-bot. Ver. Wien 5: 41-42. 1855.
Skofitz, A., Österr. bot. Wochenbl. 3: 321-323. 1853 (obit.).

HANDWRITING: Hoppea 42: 103. 1984.

EPONYMY: *Weldenia* J.H. Schultes (1829).

**17.105.** *Der Monte-Rosa.* Eine topographische und naturhistorische Skizze, nebst einem Anhange der von Herrn Zumstein gemachten Reisen zur Ersteigung seiner Gipfel. Herausgegeben von Ludwig Freiherrn v. Welden ... Wien (Gedruckt und verlegt bei Carl Gerold) 1824. Oct. (*Monte-Rosa*).
*Publ.*: 1824, p. [i]-viii, [1]-166, [167, cont.], *9 pl.* (incl. front., map, chart). *Copies*: B-S, HH, NSUB. – Plants on p. 58-66.
*Ref.*: Flora 7: 365-368. 21 Jun 1824 (rev.).

**Well, Johann Jacob von** (1725-1787), Bohemian-born Austrian mineralogist and botanist; Dr. med. Wien; professor of natural history at Univ. Wien from 1760. (*Well*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2289; Bossert p. 430; Dryander 3: 24; PR 10157, ed. 1: 11141; Rehder 1: 83; WU 54: 225-226 (b. 1 Mar 1725, d. 4 Apr 1787).

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 30. 1965.
Neilreich, A., Verh. zool.-bot. Ver. Wien 5: 44-45. 1855.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1292. 1863.

**17.106.** Johann Jakob von Well, ... Kurz verfassete *Gründe zur Pflanzenlehre* als ein zur Naturgeschichte unumgänglich nöthiger Theil ... Wien (gedruckt mit Grundischen Schriften im heil. Kreuzerhof) 1785. Oct. (*Gründe Pfl.-Lehre*).
*Publ.*: 1785, p. [i-xx], [1]-236, [1, err.]. *Copies*: G, M.

**Welling, Christian Friedrich von** (*fl.* 1791), Alsatian-born German naturalist. (*Welling*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 475; BM 5: 2290; PR 10158, ed. 1: 11142; Rehder 1: 93.

**17.107.** Allgemeine historisch-physiologische *Naturgeschichte der Gewächse* den Liebhabern des Pflanzenbaues gewidmet von Chr. Fr. v. W** ... Gotha (in der Ettingerschen Buchhandlung) 1791. Oct. (*Naturgesch. Gew.*).
*Publ.*: 1791, p. [i-xii], [1]-332, *pl. 1-36* (uncol. copp.). *Copy*: NY. – The Bibl. natl. Paris has a second copy with plates on blue paper and a coloured title-page.

**Welwitsch, Friedrich Martin Josef** (1806-1872), Austrian botanist; Dr. med. Wien 1836; commissioned by the Unio Itineraria (Württemb. bot. Reiseverein) to collect in Portugal 1839; demonstrator and curator at the Lisboa Polytechnic; sent out by the Portuguese Government to collect plants in Angola 1853-1861, collecting also in other parts of S.W. Africa; working on his collection in Portugal 1861-1863, from 1863-1872 in London. (*Welw.*).

HERBARIUM and TYPES: COI (Portugal), LISU (first set) and BM (Angola; second set,

types of Hiern's *Cat.*); other material in AWH, B (mainly destr.), BAS, BM, BR, C, CGE, CN, DBN, E, F, FI, G, G-DC, GOET, H, HAL (iter lusit.), K, KIEL, LE, LY, LZ (destr.), M, MANCH, MO, MPU, NU, OXF, P, PRE, REG, STE, STU, TUR, W, WRSL, Z.
*Exsiccatae*: *Cryptotheca lusitana* 1842-1850 (sets at FH, M). – *Phycotheca lusitana* 1842-1850, 156 nos. (KIEL). – See below, *Some notes* ... 1853.
*Manuscripts and correspondence*: see H. Dolezal (1959-1961) and P.I. Edwards (1973). – *Letters* at BM, G, K, LINN, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 699-702 (E. Wunschmann); AG 7: 255, 4: 622; Backer p. 664; Barnhart 3: 476 (b. 25 Feb 1806, d. 20 Oct 1872); BB p. 321; BL 1: 22, 323; Bossert p. 431; Clokie p. 263; Colmeiro 1: ccv; CSP 6: 318, 8: 1218; De Toni 1: cxxx, cxxxix; DNB 60: 243-245; Frank 3 (Anh.): 112; GR p. 443, p. 73; Hawksworth p. 186; Herder p. 484 [index]; Hortus 3: 1206; IH 1 (ed. 2): 82, (ed. 3): 91, (ed. 6): 366, (ed. 7): 346; Jackson p. 264, 353; Kelly p. 240; Klásterský p. 202; Lasègue p. 587 [index]; LS 6456, 28652-28654; Maiwald p. 108; Moebius p. 143; NI 2132; PR 10161, 10671, ed. 1: 11144; Rehder 5: 912; RS p. 148; SBC p. 134; TL-1/507, 1402; TL-2/2747, 6958, 11.610, 15.767, see indexes; Tucker 1: 14, 739, 3: 331; WU 54: 258-261; Urban-Berl. p. 273, 292, 323, 409; Zander ed. 10, p. 731, ed. 11, p. 834-835.

BIOFILE: Almeida, J. de, O Dr. Frederico Welwitsch e a sua obra em Angola, Lisboa 1926-1928, 267 p., (repr. from Bol. Agên. geral. Colón. Ano 2-4, 1926-1928, see Dolezal p. 427).
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COMPOSITE WORKS: (1) Welwitsch distributed in Nov-Dec 1865: *Welwitschii iter angolense*: diagnoses plantarum novarum quas in Africa aequinoctiali et praesertim in regnis Angola et Benguela annis 1853-1860 collexit Fridericus Welwitsch. Sectio I. Londini: 1865. *Copy*: G, p. [1]-16. – Papers with this title were published in J. Bot. 2: 326-339. 1864 (J. Müller, Euphorb.), 3: 33-34. 1865 (B. Seemann, Hederac.) and 3: 329-333. 1865 (id. Bignon.).
(2) W.P.Hiern, *Catalogue of the African plants* collected by Dr. Friedrich Welwitsch in 1853-1861 ... London 1896-1901, 2 vols. – See TL-2/2747 (IDC 550). – For a modern assessment and information on dates of publication see W.T. Stearn, *The catalogue of the*

*African plants* collected by Dr. Friedrich Welwitsch (1896-1901) and its litigious background, *in* Garcia de Orta, Bot. 1(1-2): 101-104. 1973. – The introduction of the *Catalogue* contains a biography and bibliography of W. by Hiern on p. vii-xxv.

HANDWRITING: Candollea 34: 201-202. 1979.

EPONYMY: *Velvitsia* Hiern (1898); *Welwitschia* J.D. Hooker (1863, *nom. cons.*); and the derived genus name *Welwitschiapites* N.A. Bolkhovitina ex R. Potonié (1958); *Welwitschiella* O. Hoffmann (1894); *Welwitschiella* Engler (1899); *Welwitschiina* Engler ex Dalla Torre et Harms (1901). *Note*: *Welwitschia* H.G.L. Reichenbach (1837, *nom. rej.*) probably is also an eponym but Reichenbach did not explain the source of the name.

**17.108.** *Dissertatio* inauguralis phytologica sistens *synopsis Nostochinearum* Austriae inferioris, quam consensu et auctoritate excellentissimi ac illustrissimi domini decani, nec non clarissimorum d.d. professorum pro doctoris medicinae laurea rite obtinenda in antiquissima ac celeberrima Universitate Vindobonensi publicae disquisitioni submittit. Fridericus Welwitsch, Carinthus e Mariae-Solio. In theses adnexas disputabitur in Universitatis aedibus die [ ] mensis Maji. Vindobonae [Wien] (typis Congregationis Mechitaristicae) 1836. Oct. (*Diss. syn. Nostoch.*).
*Publ.*: Mai 1836, p. [1]-30, [31-32, theses]. *Copy*: B-S.
*Commerical issue*: 1836, p. [5]-30. *Copies*: FH, NY, REG. – *Synopsis Nostochinearum* Austriae inferioris. Eine systematische Aufzaehlung der Gallert-Tange des Herzogthums Österreich Unter der Ens, mit naeherer Bezeichnung ihres Vorkommens und ihrer Fundorte ... Wien (Gedruckt bey den P.P. Mechitaristen) 1836. Oct. (*Syn. Nostoch.*).
*Follow-up*: *Systematische Aufzählung der Süsswasser-Algen* des Erzherzogthums Oesterreich unter der Enns, Verh. zool.-bot. Ver. Wien 7 (Abh.): 49-68. 1857 (Dolezal no. 5).
*Preliminary publ.*: *Beiträge zur cryptogamischen Flora Unter-Oesterreichs*. Farne und Moose. Beitr. Landesk. Oest. 4: 156-273. 1834 (Dolezal no. 3).

**17.109.** *Some notes upon the cryptogamic portion of the plants collected in Portugal* 1842-50. By Dr. Fried. Welwitsch. The Fungi by Rev. M.J. Berkeley, ... London (William Pamplin, ...) 1853. Oct. (*Notes crypt. pl. Portugal*).
*Co-author for fungi*: Miles Joseph Berkeley (1803-1889), see TL-2/1: 192-195.
*Publ.*: 1853, p. [1]-12. *Copies*: PH, USDA.

**17.110.** Annaes do Conselho Ultramarino. Parte não official. *Apontamentos phytogeographicos* sobre a flora da provincia de Angola na Africa equinocial servindo de relatorio preliminar acerca da exploração botanica da mesma provincia pelo doctor Frederico Welwitsch (S. Paulo de Loanda. Junho 1853) ... [cover: Boletin e annaes do Conselho ultramarino ... Lisboa (Imprensa nacional) 1858 [i.e. 1859]. Qu. (*Apont.*).
*Publ.*: Dec 1859 (p. 593 dated 15 Nov 1859), published as Ann. Conselho Ultramar. ser. 1: [527]-593. Dezembro 1858 (but publ. Dec 1859). *Copies*: G; IDC 5506. – The note on p. 593, dated 15 Nov 1859, by Bento Antonio Alves, is followed by a note of the editor apologizing for the delay in publication. – Reprinted in A. de Mendonça, Colectânea de escritos ... de Frederico Welwitsch, Lisboa 1945, p. 101-205 (incl. the notes by B.A. Alves). – See Dolezal no. 21; Britten (1895) and Hiern (1895).

**17.111.** Lettre du Dr Welwitsch à M. Alph. de Candolle sur *La végétation du Plateau de Huilla* dans le Benguela et observations de M. de Candolle à ce sujet ... [tiré de la Bibliothèque universelle ... 1861 ...]. Oct.
*Publ.*: Jul 1861 (in journal), p. [1]-14. *Copies*: G, HH, MO. – Reprinted and to be cited from Bibl. univ. 11: 193-206. 1861. – Reprinted in A. de Mendonça, Colectânea de escritos ... de Frederico Welwitsch, Lisboa 1945, p. 235-247. – See also J. Linn. Soc., Bot. 5: 182-188. 1861.

**17.112.** *Synopse explicativa* das amostras *de madeiras e drogas medicinaes* e de outros objectos mormente ethnographicos collegidos na provincia de Angola enviados á exposição international de Londres em 1862 incluindo os que foram offerecidos ao gabinete pharmacologico da Escola medico-cirurgica de Lisboa ... Lisboa (Impressa nacional) 1862. Oct. (*Syn. madeir. drog. med.*).

*Publ.*: 1862 (p. [4]: 20 Sep 1862), p. [1]-56. *Copies*: BM (with author's annot.), H, USDA.
*Reprint*: *in* A. de Mendonça, Colectânea de escritos ... de Frederico Welwitsch, Lisboa 1945, p. 269-333.
*Preliminary studies*: Gazeta méd. Lisboa 1862, nos. 14-17 (n.v.).

**17.113.** *Fungi angolenses* ... part I ... London (printed by Taylor and Francis, ...) 1868. †. Oct.
*Co-author*: Frederick Currey (1819-1881), TL-2/1: 573.
*Publ.*: 11 Apr 1868 (in journal), p. [i], [279]-294, *pl. 17-20*. *Copies*: G, HH, MO. – Reprinted and to be cited from Trans. Linn. Soc. 26(1): [279]-294, *pl. 17-20*. 1868.

**17.114.** *Sertum Angolense*, sive stirpium quarundam novarum vel minus cognitarum in itinere per Angolam et Benguellam observatarum descriptio iconibus illustrata tentavit Fridericus Welwitsch ... [Trans. Linn. Soc. London 27(1). 1869], [i.e. 1870]. Qu. (*Sert. angol.*).
*Publ.*: 1 Jan 1870 (S. Raphael, Biol. Linn. Soc. London 1(4): 72. 1970), p. [i-iv, journal material], [1]-94, *pl. 1-11, 11a, 12-25* (uncol. liths. W.H. Fitch). *Copies*: B, BR, G, HH, M, MO, NY, U; IDC 5507. – Dolezal no. 34.
*Ref.*: H.S., Bot. Zeit. 30: 125-127. 23 Feb, 139-141. 1 Mar 1872 (rev.).

**Wenderoth, Georg Wilhelm Franz** (1774-1861), German (Hessen) botanist; studied pharmacy at pharmacies in Marburg and Schweinfurth, id. medicine at Univ. Marburg; Dr. med. 1801; lecturer ("Privatdozent") Marburg 1802-1806; professor of medecine in Rinteln 1806-1810; professor of botany and pharmacology at Marburg 1810-1861; founder of the Marburg botanical garden. (*Wender.*).

HERBARIUM and TYPES: Unknown; Wenderoth's herbarium was offered for sale after his death; it is not at Marburg and may be considered lost: the price was too high and the heirs had it burned (Ludwig 1967). – *Letters* to D.F.L. von Schlechtendal at HAL, to Steudel at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 716; Barnhart 3: 476; Biol.-Dokum. 19: 9909-9910; CSP 6: 319-320; DTS 1: 322; Frank 3 (Anh.): 112; Herder p. 149, 157, 324, 413; Hortus 3: 1206; Jackson p. 305; Langman p. 798; LS 28661-28662; MW p. 527; PR 10162-10172, ed. 1: 11145-11159; Rehder 5: 912; TL-2/see B.C. Seemann; Tucker 1: 739; Zander ed. 10, p. 731, ed. 11, p. 835.

BIOFILE: Anon., Bonplandia 3: 34. 1855 (cogn. Leopoldina Moench), 6: 55. 1858, 9: 182, 344-345, 377. 1861 (obit., library and herbarium to be sold); Bot. Zeit. 10: 119. 1852 (50 yrs. jubilee Dr. med), 14: 511-512. 1856 (50 years prof. med. bot.); Flora 35: 62. 1852 (jubilee), 39: 496. 1856 (jubilee); Österr. bot. Z. 11: 237. 1861 (d.).
Gager, C.S., Brooklyn Bot. Gard. Record 27(3): 233. 1938 (first dir. bot. gard. Marburg 1810-1861).
Gundlach, F., Cat. prof. acad. Marb. 228. 1927.
Hein, W.-H. & H.-D. Schwarz, Deutsche Apotheker-Biographie 2: 736-737. 1978 (b. 17 Jan 1774, d. 5 Jun 1861).
Ilg, W., Hoppea 42: 136, 227, 255, 258. 1984.
Lack, H.W. & C.-O. von Sydow, Willdenowia 14: 445. 1984 (letters to Steudel).
Ludwig, W., Hessische floristische Briefe 16(184): 13. 1967 (herb. Wenderoth lost).
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 7a(3): 761-762. 1971.
Regel, E., Gartenflora 10: 304, 439. 1861 (obit. not.).
Schlechtendal, D.F.L. von, Bot. Zeit. 19: 191-192. 1861 (obit.).
Schmitz, R., Deut. Apoth.-Zeit. 117: 839. 1977; Ber. deut. bot. Ges. 91: 433-434. 1978 (work at Marburg).
Seemann, B. & W.E.G., Bonplandia 2: 151-157. 1853 (polemic around W.'s *Analecta*).
Strieder, F.W., Grundlage zu einer Hessischen Gelehrten- und Schriftsteller-Geschichte 18: 503-511. 1819 (biogr.).
Verdoorn, F., ed., Chron. bot. 1: 149. 1935.

NOTE: Wenderoth published several new taxa in the *Index seminum horti academici Marburgensis*, anni mdcccxxix [err. mdcccxix]. Qu. The notes are reprinted in Linnaea 5 (Litt.): 53-55. 1830. – Id. *Index* 1840, diagnoses in Linnaea 15 (Litt.): 99-101. 1841-1842, *Index* 1841, in 16 (Litt.): 110-112. 1842-1843.

NOTE: Hildegard Wenderoth (b. 10 Dec 1899, Kassel, Germany), studied pharmacy and natural sciences at the University of Marburg 1922-1927; Dr. phil. ib. 1926 on a thesis *Beiträge zur Kenntniss des Sporophyten von Polytrichum juniperum* Willdenow. Marburg (Verlagsbuchhandlung Julius Springer in Berlin) 1931, originally published in Planta 14(2): 344-385. 1931 (copy of thesis at B).

EPONYMY: *Wenderothia* D.F.L. von Schlechtendal (1838).

**17.115.** *Lehrbuch der Botanik* zu Vorlesungen und zum Selbststudium ... Marburg (in der Kriegerschen Buchhandlung) 1821. Oct. (*Lehrb. Bot.*).
*Publ.*: 1821 (p. xii: "zu Anfang des Jahres 1821"; Flora 28 Jun 1821, ref. ib. 14 Feb 1822), p. [i]-xvi, [1]-590. *Copies*: B-S, G, HH, NY.
*Ref.*: Johnson, D.E., Huntia 6(1): 101. 1985.
Nees von Esenbeck, C.G.D., Flora 1: 81-89. 14 Feb 1822 (rev.).

**17.116.** *Beiträge zu der Flora von Hessen*; ... Marburg 1823. Oct. †.
*Publ.*: 1823, p. [1]-39. *Copy*: G. – Reprinted and to be cited from Schr. Ges. Beförd. ges. Naturw. Marburg 1: 118-152. 1823.

**17.117.** *Einige Bemerkungen über verschiedene neue Pflanzenarten* des botanischen Gartens in Marburg; nebst einer Abbildung der Polygala depressa Wender. ... Marburg and Cassel (bei Johann Christian Krieger) 1831. Oct. (*Bemerk. neue Pfl.-Art.*).
*Publ.*: 1831, p. [1]-59, [60], *pl. 1* (coll. copp. F. Guimpel). *Copies*: B-S, HH, L. – Reprinted or preprinted from Schr. Ges. Beförd. ges. Naturw. Marburg 2(6): 211-267, *pl. 1* (col. copp.), with [1] p. text.

**17.118.** *Versuch einer Charakteristik der Vegetation von Kurhessen.* Als Einleitung in die Flora dieses Landes. Nebst zwei Probebogen: einer der Flora hassiaca und einer der Flora marburgensis ... Kassel (J.C. Kriegers Verlags-Buchhandlung) 1839. Oct. (*Vers. Char. Veg. Kurhessen*).
*Publ.*: Jan 1839 (7 Jan 1839 by Flora (cf. 18 Mar 1839); Hinrichs 12-18 Mai 1839), p. [i]-xii, [1]-155, [1]-16, [1]-16, [1-2, err.], [1-2, adv.] chart. *Copies*: B-S, NY, PH. – Main text preprinted from Schr. Ges. Beförd. ges. Naturw. Marburg 4: [1]-155. 1839 (*copy*: LC).

**17.119.** *Flora hassiaca* oder systematisches Verzeichniss aller bis jetzt in Kurhessen und (hinsichtlich der seltneren) in den nächst angrenzenden Gegenden des Grossherzogthums Hessen-Darmstadt u.s.w. beobachteten Pflanzen, enthaltend die offen blühenden Gewächse ... Cassel (Druck und Verlag von Theodor Fischer) 1846. Oct. (*Fl. hassiaca*).
*Publ.*: Sep 1846 (Hinrichs 21-23 Sep 1846; Flora 28 Oct 1846), p. [i]-xxviii, [1]-402. *Copies*: B-S, G, HH, NY, USDA.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 4: 764-765. 30 Oct 1846 (rev.).

**17.120.** *Der Pflanzengarten der Universität Marburg.* Die Geschichte derselber erzählt ... Marburg (Druck von Joh. Aug. Koch) 1850. Oct. (*Pfl.-Gart. Marburg*).
*Publ.*: 1850 (Flora 28 Nov 1850, rev. 7 Dec 1850), p. [i], [1]-75. *Copies*: B-S, HH.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 9: 54-55. 17 Jan 1851 (rev.).

**17.121.** *Die Pflanzen botanischer Gärten*, zunächst die des Pflanzengartens der Universität Marburg, unter ihren Catalognummern systematisch aufgeführt und synoptisch beschrieben, zum Gebrauche bei dem Besuche solcher Gärten für Studirende und Freunde der Gartenwelt .... 1. Heft: Die natürliche Ordnung der Coniferen enthaltend ... Cassel (Verlag und Druck von H. Hotop) 1851. Oct. †. (*Pfl. bot. Gärt.*).
*Publ.*: 1851 (ÖbW 7 Aug 1851; rd. Jun-Jul 1851 by Flora), p. [i]-xviii, [1]-64. *Copy*: HH.
*Ref.*: Fürnrohr, A.E., Flora 35: 223-224. 14 Apr 1852 (rev.).

Schlechtendal, D.F.L. von, Bot. Zeit. 9: 880-881. 12 Sep 1851 (rev.).

**17.122.** *Analecten* kritischer Bemerkungen, weiterer Erläuterungen und Nachträge zu und über einige bis dahin theils wenig, theils gar nicht gekannte Gewächse der deutschen und anderen Floren ... 1. Heft (Ausgabe mit colorirter Abbildung). Ein Beitrag zu den Schriften der Gesellschaft zur Beförderung der gesammten Naturwissenschaften zu Marburg und den in diesen bereits von dem Verfasser beschriebenen neuen Pflanzen ... Cassel (Verlag und Druck von Heinrich Hotop). 1852. Qu. (in 2-s). †. (*Analecten*).
*Publ.*: 1852 (p. [v]: 17 Jan 1852; rd. Oct-Nov by Flora), p. [i-xviii], *1 pl.* (col. lith.). *Copies*: B, B-S, HH.
*Ref.*: Fürnrohr, A.E., Flora 36: 302-304. 21 Mai 1853.
Schlechtendal, D.F.L. von, Bot. Zeit. 11: 10-12. 1853, 2: 151-152. 1854.
Seemann, B. & W.E.G., Bonplandia 2: 152-157. 1854 (criticism and anticriticism).
Wenderoth, G.W.F., Bot. Zeit. 12: 218-225. 1854 (reply to Seemann 1854).

**Wendisch, Ernst** (fl. 1892-1905), German mycologist and mushroom grower. (*Wendisch*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: LS 28663-28668.

**17.123.** *Die Champignons-Cultur* in ihrem ganzen Umfange, die werthvollsten, in den letzten Jahren in den Treibereien des In- und Auslandes gewonnenen Erfahrungen berücksichtigend. Den Züchtern gewidmet. Aus der Praxis geschöpft. Für den Erfolg berechnet ... Berlin (Verlag von Bodo Grundmann) 1892. Oct. (*Champ.-Cult.*)
*Publ.*: 1892, p. [1]-101, [102]. *Copy*: B-G.
*Ed. 2*: 1897, 153 p. n.v.
*Ed. 3*: 1905 (p. [viii]: Mai 1905; Hedwigia 11 Jun 1906; Nat. Nov. Nov(2) 1905), p. [i]-vi, [vii-viii], [1]-152. *Copy*: B-G. – *Der Champignon von der Spore bis zum Konsum*, dritte vollständig neubearbeitete ... Auflage .... Neudamm (Verlag von J. Neumann ...) 1905. Oct.

**17.124.** *Trüffeln und Morcheln.* Beschreibung, natürliche und künstliche Gewinnung und Verwertung. Die neuesten wissenschaftlichen und praktischen Erfahrungen berücksichtigend ... Neudamm (Verlag von J. Neumann ...) 1894. Oct. (*Trüffeln Morcheln*).
*Publ.*: Feb 1894 (Bot. Centralbl. 28 Feb 1894, Hedwigia Mar-Apr 1894; Nat. Nov. Jun(2) 1894), p. [1]-67. *Copy*: B-G, FH, G.

**Wendland, Heinrich Ludolph** (1791-1869), German (Hannover) botanist and gardener; son of Johann Christian Wendland; father of Hermann Wendland; garden inspector at Herrenhausen nr. Hannover. (*H.L. Wendl.*).

HERBARIUM and TYPES: GOET. – *Letters* to D.F.L. von Schlechtendal at HAL.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 623; Barnhart 3: 476 (b. 29 Apr 1791, d. 15 Jul 1869); Biol.-Dokum. 19: 9910; BM 1: 104, 5: 2292; DTS 1: 322; Frank 3 (Anh.): 112-113; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 345; Morren ed. 2, p. 7; PR 432, 10173, ed. 1: 11154; Rehder 5: 912; TL-1/35-36; TL-2/316; Tucker 1: 739; Zander ed. 10, p. 732, ed. 11, p. 717, 835.

BIOFILE: Anon., Bot. Zeit. 9: 589-590. 1851 (gold medal), 16: 216. 1858 (decoration), 27: 655. 1869 (d.); Bull. Soc. bot. France 16 (Bibl.): 240. 1870 (d.); Flora 3(2): 637-638. 1820 (journey Germany, Switzerland, Italy), 41: 514. 1858 (decoration); J. Bot. 7: 279-280. 1869; Österr. bot. Z. 19: 383. 1869 (d.).
Meyer, K.H., *in* K. Morawietz, ed., Herrenhausen 1666-1966, p. 26. 1966 (history of Herrenhausen's mountain garden, notes on all three Wendlands).
Morren, É., Belg. hortic. 1869: 201 (d.).
Wagenitz, G., Taxon 21: 287-289. 1972 (herb. at GOET rd. 1969); Index coll. princ. herb. Gott. 175-176. 1982.

COMPOSITE WORKS: Co-author F.G. Bartling, *Beitr. Bot.* 1824-1825, TL-2/316.

HANDWRITING: Taxon 21: 288. 1972; Wagenitz, Index coll. princ. herb. Gott. 213. 1982.

**17.125.** *Commentatio de Acaciis aphyllis* ... Hannoverae (prostat venale apud auctorem et fratres Hahn) 1820. Qu. (*Comm. Acac. aphyll.*).
*Publ.*: 1820 (p. xii: Jan 1820; Flora 28 Jul 1820), p. [i]-xii, [1]-55, [56], *pl. 1-14* (uncol.). *Copies*: B-S, G, HH, NY, USDA, WU.

**Wendland, Hermann** (1825-1903), German (Hannover) botanist and gardener; son of H.L. Wendland; trained as a gardener in Göttingen, Schönbrunn (nr. Wien) and Kew; from 1849 "Hofgarten-Inspektor" with his father in Herrenhausen, director from 1869; travelled in Central America Nov 1856-Sep 1857. (*H. Wendl.*).

HERBARIUM and TYPES: GOET. – Duplicates of his Central American collections and of palms cultivated at Herrenhausen e.g. at B (mainly destr.), C, E, K, US, W. – *Letters* to D.F.L. von Schlechtendal at HAL; to F.A.W. Miquel at U, other letters at G, GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 476 (b. 11 Oct 1825, d. 12 Jan 1903); BM 5: 2292; Bossert p. 431; CSP 6: 320, 8: 1218, 11: 782; Frank 3 (Anh.): 113; GF p. 80-81; Hortus 3: 1206; IH 1 (ed. 6): 366, (ed. 7): 345; Jackson p. 406; Langman p. 798; Morren ed. 10, p. 13; MW p. 527; PR 10179-10180; Rehder 5: 912-913; RS p. 148; TL-2/11.613, see G. Mann; Tucker 1: 739; Urban-Berl. p. 409; Zander ed. 10, p. 732, ed. 11, p. 781, 835.

BIOFILE: Anon., Bot. Zeit. 7: 296. 1849 (Hofgarten-Inspektor at Herrenhausen), 14: 832. 1856 (left from England for Guatemala on 17 Nov 1856); Bonplandia 1: 75. 1853 (writes a monograph of Chamaedorea), 4: 263 (visit London), 378 (will travel to C. Amer.). 1856, 5: 330. 1857 (returned from C. Amer.); Bull. misc. Inf. Kew 1903: 29 (obit. not.); Bull. Soc. bot. France 4: 847. 1858 (brief account of C. Amer. trip); Warscewiczia), 28: 190. 1881 (appointed director of the Carlsruhe bot. gard. [not accepted]); Gard. Chron. 1903: 58; J. Kew Guild 1903: 150-151; Nat. Nov. 25: 170. 1903 (d. 12 Jan 1903).
Barnhart, J.H., J. New York Bot. Gard. 24: 113. 1923, 26: 52. 1925, 32: 37. 1931.
Durand & Pittier, Prim. fl. costaric. 2: 23ff. 1893 (itin. C. Amer.).
Hausmann, F. v., Fl. Tirol 1187. 1851 (W. made a trip to Tirol in 1847).
Meyer, K.H., *in* K. Morawietz, ed., Herrenhausen 1666-1966, Hannover 1966, p. 26-27.
Peets, W., Jahresber. Naturh. Ges. Hannover 50-54: 4. 1905 (obit.).
Wagenitz, G., Taxon 21: 287-289. 1972 (herb.); Index coll. princ. herb. Gott. 176. 1982 (coll.).
Wendland, H.L., Bot. Zeit. 15: 278-280. 1857 (account of H. Wendland's Central American journey in a letter to his father).
Wittmack, L., Gartenflora 52: 122-127. 1903 (obit.; b. 11 Oct 1825).

COMPOSITE WORKS: (1) With G. Mann: *On the palms of Western Tropical Africa.* Trans. Linn. Soc. 24: 421-439, *pl. 38-43.* 8 Nov 1864, see TL-2/3: 277-278.
(2) With O. Drude, *Ueber Grisebachia* ein neues Palmengenus aus der Gruppe der Arecinen, Nachtr. Kön. Ges. Wiss. Georg-Augusts-Univ. 1875: 54-60.
(3) *Palmae, in* B. Seemann, *Fl. vit.* 1865-1873, TL-2/11.613.

HANDWRITING: Taxon 21: 288. 1972; Wagenitz, Index coll. princ. herb. Gott. 213. 1982.

EPONYMY: *Wendlandiella* Dammer (1905).

**17.126.** *Die Königlichen Gärten zu Herrenhausen* bei Hannover. Ein Führer durch dieselben ... Hannover (Hahn'sche Hofbuchhandlung) 1852. Duod. (in sixes). (*Kön. Gärt. Herrenhausen*).
*Publ.*: Aug 1852 (p. iv: Feb 1852; Bot. Zeit. 27 Aug 1882; ÖbW 2 Sep 1852), p. [i*-iii*], [i]-iv, [1]-90, 2 maps. *Copies*: B-G, HH.
*Ref.*: Seemann, B., Bonplandia 1(1): 6-7. 1 Jan 1853 (rev.).

**17.127.** *Index palmarum*, Cyclanthearum, Pandanearum, Cycadearum, quae in hortis europaeis coluntur, synonymis gravioribus interpositis ... praefatione sermone Germanico addita. Hannoverae (in libraria aulica Hahnii) 1854. Oct. (*Index palm.*).
*Publ.*: Apr 1854 (p. xiv: 31 Dec 1853; Bot. Zeit. 12 Mai 1854; ÖbW 25 Mai 1854), p. [i]-xiv, [xv], [1]-68. *Copies*: BR, G, HH, L, NY, USDA.
*Ref.*: Fürnrohr, A.E., Flora 37(2): 462-463. 7 Aug 1854 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 12: 308-310. 5 Mai 1854 (rev.).
Seemann, B., Bonplandia 2: 146-147. 1854.

**17.128.** *Palmae australasicae.* Praecedit dissertatio de Arecinarum generibus gerontogaeis ... [Linnaea 1875]. Oct.
*Co-author*: Carl Georg Oscar Drude (1852-1933), TL-2: 682-683.
*Publ.*: Jun 1875, p. [153]-238, *pl. 1-4. Copy*: G, HH. – Reprinted and to be cited from Linnaea 39: 153-238, *pl. 1-4.* 1875.

**Wendland, Johann Christoph** (1755-1828), German (Pfalz) botanist and gardener; studied horticulture at Karlsruhe 1772-1776, Kassel 1776-1778 and Herrenhausen 1778-1780; gardener at Herrenhausen 1780-1795; chief gardener ib. 1795-1817; garden inspector 1817-1828. (*J.C. Wendl.*).

HERBARIUM and TYPES: GOET. – Part of the Ericaceae material is (also) at MEL (Sonder herbarium).

BIBLIOGRAPHY and BIOGRAPHY: ADB 41: 717-718; Barnhart 3: 476 (b. 18 Jul 1755, d. 17 Jul 1828); BM 5: 2292; CSP 6: 320; Dryander 3: 647; DU 328-330; Frank 3 (Anh.): 112; Herder p. 23, 149, 158, 159, 318; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 345; Jackson p. 131, 427; MW p. 527; NI 2133-2135 and see indexes; Plesch p. 457; PR 432, 8357, 10174-10178, ed. 1: 11155-11159; Rehder 5: 913; RS p. 148; SK 4: ccxvii; Sotheby p. 807; TL-1/1189, 1403-1405; TL-2/1403, 1405, 11081; Tucker 1: 739, 2: xl, 3: 331; Zander ed. 10, p. 731-732, ed. 11, p. 835.

BIOFILE: Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 229.453. 1980.
Fendler, R., Pfälzer Heimat 15(4): 134-136. 1964 (extensive biogr. and archival detail).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 784. 1985.
Meyer, K.H., *in* K. Morawietz, ed., Herrenhausen 1666-1966, Hannover 1966, p. 25-26.
Wagenitz, G., Taxon 21: 287-289. 1972 (herb.); Index coll. princ. herb. Gott. 5, 9, 176. 1982.
Wendland, H.L., Bonplandia 6: 229-231. 1858 (biogr. sketch).

COMPOSITE WORKS: With H.A. Schrader, *Sert. hannov.* 1795-1798; see TL-2/11.081 for further details. Continued by Wendland as *Hortus herrenhusanus* 1798-1801, see below.

HANDWRITING: Taxon 21: 288. 1972; G. Wagenitz, Index coll. princ. herb. Gott. 213. 1982.

EPONYMY: *Wendlandia* Willdenow (1799, *nom. rej.*); *Wendlandia* Bartling ex A.P. de Candolle (1830, *nom. cons.*).

**17.129.** *Verzeichniss der Glas- und Treibhauspflanzen*, welche sich auf dem Königlichen Berggarten zu Herrenhausen bei Hannover befinden. Hannover (gedruckt bey W. Porkwitz, jun.) 1797. Oct. (*Verz. Glas- Treibhauspfl.*).
*Publ.*: 1797 (p. 4: 14 Feb 1797), p. [1]-79, [1]-38. *Copy*: B-G.

**17.130.** *Hortus herrenhusanus* seu plantae rariores quae in horto regio herrenhusano prope Hannoveram coluntur ... Hannoverae (prostat venale apud fratres Hahn) 1798-1801, 4 parts. Fol. (*Hort. herrenhus.*).
*Publ.*: 1798-1801, in 4 parts. *Copies*: BR, G, HH, MO, PH, Teyler; IDC 767. – Preceded by H.A. Schrader & J.C. Wendland, *Sert. hannov.* 1795-1798, TL-2/11.081.
*1*: 1798, p. [1]-8, engr. col. map, *pl. 1-6* (col. copp. auct.).
*2*: 1799, p. [9]-16, *pl. 7-12.*

*3*: 1800, p. [1]-8, *pl. 13-18.*
*4*: 1801, p. [1]-8, *pl. 19-24.*

**17.131.** *Botanische Beobachtungen* nebst einigen neuen Gattungen und Arten ... Hannover (bey den Gebrüdern Hahn) 1798. Fol. (*Bot. Beob.*).
*Publ.*: 1798 (p. 2: 4 Jan 1798), p. [i-vi], [1]-58, *pl. 1-4* (col. copp.). *Copies*: BM, BR, FI, G, HH, MO, NY, USDA; IDC 446. – The generic descriptions on p. 36-41 precede the specific name in which the new generic name is first used.

**17.132.** *Ericarum icones et descriptiones* auctore Joanne Christophoro Wendland. Volum. i. Fascicule i-xii. [-2, fasc. xiii-xxii and [3], fasc. xxv-xxvii]. Abbildung und Beschreibung der Heiden ... Hannover (in Commission bei den Gebrüdern Hahn) [1798-]1804-1823. Qu. (*Eric. icon. descr.*).
*Publ.*: 1798-1823 in 27 fasc., in all 404 p. and *162 col. pl.* (unnumbered). *Copies*: G, HH, MO, NY, USDA; IDC 5805. – The plates are etchings, printed in green ink and coloured by hand, of drawings by J.C. Wendland (see also DU 329).
*Preface matter vol. 1*: 1804, p. [i-iv].
*Heft 1*: Apr-Mai 1798 (p. 6: 12 Feb 1798; see also Römer & Wendland 1794 for a preliminary announcement; contents planned for 1794 different from those of 1798), p. [1]-18, [20, cont.]. *6 pl.*
*Heft 2*: 1798, p. [i], [19]-30, [32, cont.], *6 pl.*
*Heft 3*: 1799, p. [1]-14, [15, cont.], *6 pl.*
*Heft 4*: 1799, p. [1]-14, [15, cont.], *6 pl.*
*Heft 5*: 1799, p. [1]-14, [15, cont.], *6 pl.*
*Heft 6*: 1800, p. [1]-14, [15, cont.], *6 pl.*
*Heft 7*: 1800, p. [1]-14, [15, cont.]. *6 pl.*
*Heft 8*: 1800, p. [1]-14, [15, cont.], *6 pl.*
*Heft 9*: 1800, p. [1]-14, [15, cont.], *6 pl.*
*Heft 10*: 1800, p. [1]-14, [15, cont.], *6 pl.*
*Heft 11*: 1802, p. [1]-14, [15, cont.], *6 pl.*
*Heft 12*: 1803, p. [1]-14, [15, cont.], *6 pl.*
*Preface matter vol. 2*: 1810, p. [i-iv].
*Heft 13*: [1804], p. [1]-14, [15, cont.], *6 pl.*
*Heft 14*: [1805], p. [17]-30, [31, cont.], *6 pl.*
*Heft 15*: 1805, p. [33]-46, [47, cont.], *6 pl.*
*Heft 16*: 1805, p. [49]-62, [63, cont.], *6 pl.*
*Heft 17*: 1806, p. [65]-78, [79, cont.], *6 pl.*
*Heft 18*: 1807, p. [81]-94, [95, cont.], *6 pl.*
*Heft 19*: 1809, p. [97]-110, [111, cont.], *6 pl.*
*Heft 20*: 1809, p. [113]-126, [127, cont.], *6 pl.*
*Heft 21*: 1809, p. [129]-142, [143, cont.], *6 pl.*
*Heft 22*: 1810, p. [145]-159, [160, cont.], *6 pl.*
*Heft 23*: 1810, p. [161]-174, [175], *6 pl.*
*Heft 24*: 1810, p. [177]-190, [191, cont.], *6 pl.*
*Vol. 3*: 1819-1823, 3 Hefte, no preface matter. – The gap 1810 (Heft 24)-1819 (Heft 25) represents the well-known "Napoleonic Pause" the disruption of most of Western Europe's cultural life caused by the later wars waged by Napoleon and the aftermath (see Junk 1926-1936).
*Heft 25*: 1819, p. [1]-14, [15], *6 pl.*
*Hefte 26 and 27*: 1823, p. [1]-20, *12 pl.*
*Ref.*: Kuntze, O., Rev. gen. pl. 1: 964. 1891.
Junk, W., Rara 129. 1926-1936.
Römer, J.J. & J.C. Wendland, Neu. Mag. Bot. 1: 287-289. 1794 (announcement of fasc. 1; this was never issued by Römer and Wendland; in 1798 Wendland decided to go ahead alone, see his preface to Heft 1; the contents of the 1798 Heft 1 do not agree with those listed in 1794).

**17.133.** *Collectio plantarum* tam exoticarum, quam indigenarum, cum delineatione, descriptione culturaque earum a Joanne Christophoro Wendland ... Sammlung ausländischer und einheimischer Pflanzen, mit ihrer Abbildung, Beschreibung und Cultur ...

Hannover (zu haben bei dem Verfasser und in Commision bei den Gebrüdern Kahn) [1805-] 1808 [-1819]. (*Coll. pl.*).
*Publ.*: 1805-1819, in three volumes (14 parts). *Copies*: G, HH, MO, Teyler; IDC 5803. – The 84 coloured plates are etchings, printed in blue green ink and coloured by hand, of drawings made by J.C. Wendland.
*1*: 1805-1807, in 6 parts, p. [i]-vii, [viii], [1]-98, *pl. 1-9, 10* ("*01*"), *11-36*. – Preface matter dated 31 Mar 1808.
*Heft 1*: 1805 (Ostermesse 1805), p. [1]-27, [sign. A-D], *pl. 1-6*.
*Heft 2*: 1805 (Ostermesse 1806), p. [29]-44, [sign. A-B], *pl. 7-12*.
*Heft 3*: 1806 (Ostermesse 1807), p. [45]-59, [sign. A-B], *pl. 13-18*.
*Heft 4*: 1806 (Ostermesse 1807), p. [61]-72, [sign. A-B], *pl. 19-24*.
*Heft 5*: 1807, p. [73]-84, [sign. A-B], *pl. 25-30*.
*Heft 6*: 1806, p. [85]-98, [sign. A-B], *pl. 31-36*.
*2*: 1808-1810, in 6 parts, p. [i-ii], [1]-60, 61 ["62"], 62-72, [73-76, blank pages with *pl. 68-69*], 77-82.
*Heft 1*: 1808 (Allg. Lit. Z. 21 Dec 1809, as of 1808; Ostermesse 1809), p. [1]-15, [sign. A-B], *pl. 37-42*.
*Heft 2*: 1808 (?), p. [17]-34, [sign. C-E], *pl. 43-48*.
*Heft 3*: 1809, p. [35]-46, [sign. F-G], *pl. 49-54*.
*Heft 4*: 1809, p. [47]-58, [sign. H-I], *pl. 55-60*.
*Heft 5*: 1810, p. [59]-70, [sign. K-L], *pl. 61-66*.
*Heft 6*: 1810, p. [71]-82, [sign. M-N], *pl. 67-72*.
*3*: 1811, 1819 (fascicles; t.p. 1808 sic), p. [i], [1]-28, *pl. 73-84*.
*Heft 1*: 1811 (Michaelis Messe 1811), p. [1]-12, *pl. 73-78*.
*Heft 2*: 1819, p. 13-28, *pl. 79-84*.
*Ref.*: Jackson, B.D., Bull. Herb. Boissier 1: 297-298. 1893.
Kuntze, O., Rev. gen. pl. 3(2): 162. 1898.
Steenis-Kruseman, M.J. van, Fl. males. Bull. 3: 742. 1960.

**Wendt, Georg Friedrich Carl** (*fl.* 1804), German forester at the Forestry Institute of Zillbach nr. Eisenach (Thüringen). (*Wendt*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2292; PR 10181, ed. 1: 11160; Rehder 5: 913.

**17.134.** *Deutschlands Baumzucht* oder Verzeichniss der Holzarten welche das Klima von Deutschland im Freyen aushalten, nebst Angabe ihrer Grösse, des erförderlichen Bodens, Standes, der Blüthezeit, Reife und Ausdauer ... Eisenach (Bey Johann Georg Ernst Wittekindt) 1804. Qu. (*Deutschl. Baumz.*).
*Publ.*: 1804, p. [1]-72. *Copy*: B-G, USDA.

**Wendt, Johann Christian Wilhelm** (1778-1838), Danish physician and botanist; med. exam. 1804; teacher at the Copenhagen Veterinary College 1802-1806; subsequently military physician; chief physician in the Copenhagen general hospital 1814-1838. (*J. Wendt*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 476; BM 5: 2292; Bossert p. 431; KR p. 753-754 (b. 16 Sep 1778); TL-2/11.393.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 347-348. 1965.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1296. 1863.
Verdoorn, F., ed., Chron. bot. 4: 86. 1938.
Warming, E., Bot. Tidsskr. 12: 101-102. 1880 (bibl.; d. 4 Mar 1838).

EPONYMY: *Wendtia* Meyen (1834, *nom. cons.*) honors Captain W. Wendt who was the commander of the ship during Meyen's (*q.v.*) trip around the world. The derivation of *Wendia* G.F. Hoffmann (1814, *nom. rej.*) could not be determined.

**17.135.** *Anviisning til at indsamle*, tørre og conservere de i Dannemark og Norge vildvoxende og dyrkede medicinske *Planter og Plantedele*, ... Kiøbenhavn (Trykt hos C.A.H. Møller, ...) 1810. Oct. (*Anviisn. indsamle Pl.*).
*Ed.* [*1*]: 1810, p. [i], [1]-199, [200, err.]. *Copy*: NY.
*Ed. 2*: 1812, p. [i], engr. t.p., p. [iii]-xiv, [1]-184. *Copy*: B-S. – Andet forbedret og forøget Oplag ... Kiøbenhavn (Paa Hofbøghandler J.H. Schubothes Førlag ...) 1812. Oct.
*Swedish transl. of ed. 2*: 1816, p. [i-vi], [1]-101, [102-113]. *Copy*: LD-UB. – Anwisning, att insamla, torka och förwara de i Swerige och Norrige wildt wäxande och odlade medicinske Wäxter och Wäxtdelar ... öfwersatt ... af A.Fr. Kniberg. Christiansstad (tryckt hos ... F.F. Cedergréen) 1816. Oct.

**17.136.** *Historiske og chemiske Bidrag* til Kundskab om enkelte *Lægemidler* af Slægten *Euphorbiae* ... Kjøbenhavn (Trykt paa Forfatterens Forlag hos C. Græbe) 1823. Oct. (*Hist. Bidr. Lægem. Euphorb.*).
*Publ.*: 1823, p. [1]-52. *Copy*: NY.

**Wengenmayr, Xaver** (*fl.* 1930), German high school teacher and botanist. (*Wengenmayr*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Oberschelp, R., Gesamtverz. deut. Schriftst. 143: 237-238. 1981.

**17.137.** *Exkursionsflora für das Allgäu* und sein Vorland bis zur Linie Memmingen-Mindelheim-Kaufering samt dem bayerischen Bodenseegebiet. Ein Taschenbuch zum Bestimmen der in diesem Gebiete wildwachsendem Phanerogamen und Gefässkryptogamen nebst Angabe ihrer Verbreitung ... Kempten (Otto Oechelhäuser Verlag) 1930. 16-mo. (*Exkurs.-Fl. Allgäu*).
*Publ.*: 1930 (p. vi: Nov 1929), p. [i]-xv, [1]-483. *Copies*: B, G, PH.

**Went, Friedrich August Ferdinand Christian** (1863-1935), Dutch botanist; studied at the University of Amsterdam with Hugo de Vries; Dr. phil. 1886; high school teacher at Dordrecht (1888) and 's Gravenhage 1889-1891, also visiting the Naples Zoological Station (1888) and Land's Plantentuin at Buitenzorg (Bogor); director of the Sugar Experiment Station Western Java at Kagok near Tegel 1891-1896; professor of botany and director of the botanical garden at the University of Utrecht 1896-1934; extraordinary professor of botany at Leiden 1934-1935; founder of the Utrecht Botanical School; travelled in Suriname 1901-1902, 1923, and Curaçao (1901). (*Went*).

HERBARIUM and TYPES: U. – Further material at BOG, C, L. – *Correspondence* and archives at the Boerhaave Museum for the history of sciences at Leiden. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 289; Backer p. 623-624; Barnhart 3: 477 (b. 18 Jun 1863, d. 25 Jul 1935); BJI 2: 188; BM 5: 2292-2293; Bossert p. 431; CSP 19: 547-548; De Toni 4: lviii; DSB 14: 255 (F.W. Went); Hirsch p. 320; JW 1: 450-451, 452, 2: 203-204, 3: 376; LS 28246-28248, 28669-28690a, 29688, 40508-40509, suppl. 29751-29754; Moebius p. 180, 288, 303; MW p. 527; NNBW 1: 650-651. 1979 (H.P. Bottelier); Rehder 5: 913; SK 1: 566-567, 4: cxxix, 5: cccxxxii; Stevenson p. 1262; TL-2/12040-12041, see A.A. Pulle, M. Raciborski, M.J. Sirks; Tucker 1: 739, 2: xl, 3: 331.

BIOFILE: Anon., Bull. misc. Inf. Kew 1935: 336, 576-577 (d., obit.); Hedwigia 42: (350). 1903 (funds for research), 75: (166). 1936 (d.); Indische Mercuur 46: 581. 1923 (decoration), 55: 350. 1932 (hon. memb. Deut. bot. Ges.), 56: 56. (memb. R. Soc. Sci. Bohemia), 88 (memb. Leopoldina) 1933, 56: 201. 1933 (retirem.), 345. (for. memb. Roy. Soc.), 357 (memorial tablet), 373-374 (festivities retirem.), 780 (extraord. prof. bot. Leiden) 1933; J. Bot. 73: 271. 1935 (obit. not.); Nature 136: 363-364. 1935 (obit.); Nat. Nov. 8: 461. 1896 (app. Utrecht); Nieuwe Rotterd. Courant 26 Jul 1935 (obit.); Vakbl. Biol. 2: 136. 1921 (chairman Div. nat. Sci. of Roy. Acad. Sci. Amsterdam), 3: 150. 1922 (Dr. h.c. Padua), 4: 170. 1923 (trip West Indies), 187. 1923 (chairman Div. Bot. Biol. Council, Neth.), 5: 7-8, 43. 1924 (report trip West Indies),

8: 103, 120-121. 1927 (in Java), 10: 139. 1929 (in Ceylon), 14: 108. 1933 (for. memb. R. Bohem. Soc. Sci., corr. memb. Bot. Soc. Amer.), 15: 40 (continues at Utrecht temporarily), 97 (app. Leiden), 215 (adieu Utrecht). 1934, 16: 217, 236. 1935 (d.); Verslag Gew. Verg. Afd. Nat. K. Akad. Wet. Amsterdam 44: 90-95. 1935 (obit.); Wie is dat 1902: 494, 1931: 287, 1932: 362, 1935: 419.
Baas Becking, L.G.M., De Nieuwe Courant 's Gravenhage; 25 Jul 1935 (obit.); Nieuwe Rotterdamsche Courant 25 Jul 1935 (obit.).
Bergdolt, E., Karl von Goebel ed. 2. 262 [index]. 1941.
Briggs, G.E., Obit. Not. Fellows Roy. Soc. 2(5): 162-164. 1936 (obit., portr.).
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Jacobs, M., Hermann Johannes Lam 271 [index]. 1984.
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Küster, E., Ber. deut. bot. Ges. 53: (97)-(120). 1935 (obit., portr., bibl.: 179 nos.; list of theses: 59 nos.).
Mooij, A. de, De Ingenieur 50(31): 1-2. 1935 (obit., portr.).
Moor, J., De Rijkseenheid 6(45-46): 302. 1935 (obit.).
Prinsen Geerligs, H.C., Jaarverslag 1910 Vereeniging "Het Proefstation van de Java Suikerindustrie" 7-10. 1911 (evaluation of his work 1891-1896 for Java Sugar Industry).
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Wachter, W.H., Ned. kruidk. Arch. 45: 161-162. 1935 (obit., portr.).
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Went, F.A.F.C., De Gids 67: 98-107. 1903 (exploration interior of Suriname); Indische Mercuur 24: 521-523. 1916 ("De plicht der vaderlandse wetenschap jegens tropisch Nederland"); Vakbl. Biol. 5(4): 49-58. 1923 (trip to Suriname 1923); Indisch Mercuur 46: 805-808. 1923 (Suriname after 22 yrs.; repr. Amsterdam 1923, 26 p.), 7(7): 105-114. 1926 (description study botany Utrecht; list dissertations); Reisbrieven 1-4, Indische Mercuur 22 Mai, 19 Jun, 14 Aug, 25 Sep 1929.
Zeijlstra, H.H., Melchior Treub 51, 56, 58, 69, 85, 123, 127. 1959.

COMPOSITE WORKS: (1) *Triuridaceae* and *Polygalaceae 1*, *in* C.E.A. Wigmann, ed., Nova Guinea 8(1): 165-167, *pl. 47*. 169. 1909.
(2) Contributed to S.P. Kostychev, *Lehrbuch der Pflanzenphysiologie*, Berlin 1931.
(3) With J.H. Wakker, *Ziekten suikerriet* 1898.
(4) Co-editor, *De Indische Mercuur* 1916-1935.
(5) Co-editor, *Recueil des Travaux botaniques néerlandais*. 1-31(1-2), 1904-1934.

NOTE: Went's main activities were in the field of plant physiology. However, he was also deeply interested in plant systematics and appointed A.A. Pulle in 1906 as lecturer in plant systematics, from 1914 as ordinary professor of plant systematics and plant geography. In this way Went created the opportunity for the development of plant systematics in the "Utrecht school". Went was also mainly responsible for the founding (1906) of the Centraal Bureau voor Schimmelcultures (CBS), now at Baarn, through the then existing *Association Internationale des Botanistes*.

THESIS: *De jongste toestanden der vacuolen*, academisch proefschrift ... Amsterdam (M.J. Portielje) 1886, iv, 99 and 2 p., *2 pl.* Oct. – Abstracts in Arch. néerl. physiol. 21: 283-315. 1887 and Bull. Soc. Hist. nat. Toulouse 1887: xxxv-xxxvi; rev. H. de Vries, Bot. Zeit. 45: 76-79. 4 Feb 1887.

EPONYMY: *Wentiomyces* Koorders (1907) probably honors this author but no etymology was given. – Journal: *Wentia*, published by the Koninklijke Nederlandse Botanische Vereniging, 1-17. 1959-1966.

**17.138.** *Monascus purpureus* le champignon de l'Ang-Quac une nouvelle Thélébolée ... [Ann. Sci. nat. Bot., Paris 1895]. Oct.
*Publ.*: 1895 (Nat. Nov. Oct(1) 1895), cover-t.p., p. [1]-18, *pl. 1-2* (uncol. lith. auct.). *Copies*: H, U. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 8. 1: 1-18, *pl. 1-2*. 1895.

**17.139.** *Der Dimorphismus der Zweige von Castilloa elastica* ... Leiden (Buchhandlung und Druckerei vormals E.J. Brill ...) 1896. Oct.
*Publ.*: 1896 (p. 16: Nov 1895; Nat. Nov. Dec(3) 1896), cover-t.p., p. [1]-16, [17, expl. pl.], *pl. 1-3* (uncol. auth.). *Copies*: B, U. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg 14(1): 1-17. 1896.

**17.140.** *Botanische problemen der laatste 15 jaren.* Redevoering uitgesproken den 21sten September 1906, bij gelegenheid van de aanvaarding van het ambt van hoogleeraar in de plantkunde aan de Rijks-Universiteit te Utrecht, ... Amsterdam (J.H. de Bussy) 1896. Oct. (*Bot. probl.*).
*Publ.*: 21 Sep 1896, p. [1]-20. *Copy*: U.

**17.141.** *Krulloten en versteende vruchten van de Cacao in Suriname* ... Amsterdam (Johannes Müller) 1904. Oct.
*Publ.*: 23 Jan 1904, p. [1]-40, *pl. 1-6*. *Copies*: HH, U-UB. – Issued as Verh. Kon. Akad. Wet. Amsterdam sect. 2. 10(3). 1904. – See also his *De Krullotenziekte in Suriname*, De Indische Mercuur 39(7): 136. 1916.

**17.142.** *A case of apogamy with Dasylirion acrotrichum* Zucc. ... (Extrait du Recueil des travaux bot. Néerl. N°. 3) [1905]. Oct.
*Co-author*: A.H. Blaauw.
*Publ.*: 1905, cover-t.p., p. [1]-12. *pl. 5*. *Copies*: B, G. – Reprinted and to be cited from Rec. Trav. bot. Néerl. 3: 223-234, *pl. 5*. 1905 [journal as a whole: 1906].

**17.143.** *Ondoelmatigheid in de levende natuur.* Redevoering uitgesproken op 26 Maart 1906 door ... Utrecht (J. van Druten) 1906. Oct. (*Ondoelmatigheid lev. nat.*).
*Publ.*: shortly after 26 Mar 1903, p. [i, iii], [1]-30. *Copy*: U-UB.

**17.144.** *Über Zwecklösigkeit in der lebenden Natur* ... Leipzig (Verlag von Georg Thieme) 1907. Oct.
*Publ.*: 15 Apr 1907, cover-t.p., p. [257]-271. *Copy*: B. – Reprinted and to be cited from Biol. Centralbl. 27(9): [257]-271. 1907. – A definitive version of the text of the above, more popular, address *Ondoelmatigheid in de levende natuur*, 1906, see above.

**17.145.** *The development of the ovule*, embryo-sac and egg *in Podostemaceae* ... Reprinted from Proceedings [Koninklijke Akademie van Wetenschappen te Amsterdam] ... 1908. Oct.
*Publ.*: 26 Mai 1908 (cover-t.p. so dated), cover-t.p., p. [1]-9. *Copies*: NY, U. – Reprinted from Proc. Kon. Akad. Wet. Amsterdam 1908: 824-832.
*Other publication*: Rec. Trav. bot. néerl. 5: [1]-16. 1908, reprinted with cover-t.p., p. [1]-16, *pl. 1* with cover erroneously dated 1907.

**17.146.** *Untersuchungen ueber Podostemaceen* ... Amsterdam (Johannes Müller) 1910. Oct. (*Unters. Podostem.*).
[*1*]: Jun 1910 (date on cover; ÖbZ for Jun 1910; Bot. Zeit. 1 Oct 1910), p. [i, iii], [1]-88, *pl. 1/2, 3/4, 5-13, 14/15* (3-15 uncol. liths. J. Bijtel; phot.). – Issued as Verh. Kon. Akad. Wet. Amsterdam sect. 2. 16(1). 1910.
*2*: Oct 1912 (date on cover; date on t.p. Jun 1912; rd. 29 Dec 1913; Nat. Nov. Jan(1) 1913), p. [1]-17, [18-19], *pl. 1-2* (uncol.). – Id. sect. 2. 17(2). 1912.
*3*: 1926 (p. 49: Mar 1926; PH rd. 20 Jun 1927; Nat. Nov. Nov 1926), p. [1]-58, [59, cont.], *pl. 1-11* (uncol.). – Id. sect. 2. 25(1). 1926.
*Copies*: B, BR, G, H, HH, NY, PH.

**17.147.** *'s Lands Plantentuin te Buitenzorg* ... Baarn (Hollandia-Drukkerij) 1915. (*Lands Plantent. Buitenzorg*).
*Publ.*: 1915, p. [1]-46. *Copy*: HH.

**17.148.** *Suriname na 22 jaar* ... Amsterdam (Drukkerij en Uitgeverij J.H. de Bussy ...) 1923. Oct.
*Publ.*: 14 Dec 1923, cover-t.p., p. [1]-26. *Copy*: B. – Reprinted and to be cited from Indische Mercuur 46(50): 805-808. 1923.

**17.149.** *A short history* and the present position *of botanical investigation in the Dutch East Indies* ... Amsterdam (Koninklijke Akademie van Wetenschappen) 1923. Oct. (*Short hist. bot. East Indies*).
*Publ.*: 1923, cover-t.p., p. [1]-23. *Copy*: FAS.

**17.150.** *Leerboek der algemeene plantkunde* ... Groningen, Den Haag (bij J.B. Wolters' U.M.) 1923. Oct. (*Leerb. algem. plantk.*).
*Ed.* [*1*]: 1923 (p. vii: Nov 1922; rev. Vakbl. Biol. Oct 1923), p. [i]-xi, [1]-599. *Copies*: BR, U.
*Ed. 2*: 1930 (p. viii: Mar 1930; rev. Vakbl. Biol. Dec 1930), p. [i]-xii, [1]-645. *Copies*: FAS, NY.
*German transl.*: 1933 (Nat. Nov. Aug 1933), p. [i]-viii, [1]-422. *Copies*: B, H, NY. – *Lehrbuch der allgemeinen Botanik* ... Vom Verfasser aus dem Holländischen übersetzt [Went had a German mother] ... Jena (Verlag von Gustaf Fischer) 1933. Oct. (*Lehrb. allg. Bot.*).
*Ref.*: Knoll, F., Österr. bot. Z. 83(4): 311-312. 1934 (rev.).
Weevers, Th., Vakbl. Biol. 5: 23-24. Oct 1923 (rev.), 12: 74. Dec 1930 (rev.).

**17.151.** *La vie universitaire en Hollande.* Conférence donnée [en 1924] au Cercle des Alumni de la Fondation Universitaire. Bruxelles (Société anonyme M. Weissenbruch, ...) 1926. Oct. (*Vie univ. Holl.*).
*Publ.*: 1926, p. [1]-48. *Copy*: G.

**17.152.** *Die Verbreitung der Podostemaceen in Ost-Asien* ... Extrait du Recueil des Travaux botaniques néerlandais ... 1928. Oct.
*Publ.*: Jan-Feb 1928 (Vakbl. Biol. Mar 1928), p. [475]-482. *Copies*: FAS, G, NY, U. – Reprinted and to be cited from Rec. Trav. bot. néerl. 25a: [475]-482. 1928 (de Vries Festschrift).
*English abstract*: 1930, p. [1]-5. *Copy*: U. – *On the distribution of the Podostemaceae in Eastern Asia*, reprint from the Proceedings Fourth Pacific Science Congress, Java 1929, 3: 421-425. 1930.

**17.153.** *Watervallen van Java, Ceylon en Suriname en hun plantengroei* ... Utrecht (Kemink & Zoon N.V. ...) [1930]. Oct. (*Watervallen Java, Ceyl. Surin.*).
*Publ.*: 1930, cover-t.p., p. [1]-11. *Copies*: FAS, U.

**17.154.** *De macht van het kleine* rede uitgesproken op 25 Mei 1934 bij de aanvaarding van het ambt van Bijzonder Hoogleraar in de algemeene plantkunde van wege den Universiteitsraad van het Leidsch Universiteitsfonds aan de Rijksuniversiteit te Leiden ... Utrecht (N.V. A. Oosthoek's Uitg. Mij.) [1934]. Oct. (*Macht kleine*).
*Publ.*: 1934, p. [1]-19. *Copies*: B, FAS, G.

**Wenzig, Theodor** (1824-1892), German pharmacist and botanist; from 1869-1874 assistant at the Berlin herbarium; specialist on Pomaceae, Quercus, Mespilus, Juglans. (*Wenz.*).
HERBARIUM and TYPES: B. – *Letters* at G.

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BIOFILE: Anon., Bot. Jahrb. 15 (Beibl. 34): 17. 1892 (d.); Nat. Nov. 1893: 40 (d.); Naturw. Wochenschr. 7: 120. 1892 (d.); Österr. bot. Z. 42: 187. 1892 (d.).
Magnus, P., Verh. bot. Ver. Brandenburg 34: xx. 1893 (d.).
Volkens, G.L.A., Verh. bot. Ver. Brandenburg 51: (85). 1910.

**17.155.** *Die in Norddeutschland kultivirten Juglandeen* systematisch skizzirt ... Separat-Abdruck aus der Monatschrift des Vereins zur Beförderung des Gartenbaues in den königl. preuss. Staaten ... 1881. Oct.
*Publ.*: Oct, Nov 1881, p. [1]-8. *Copy*: B. – Reprinted and to be cited from Monatschr. Ver. Beförd. Gartenb. preuss. Staat. 1881: 459-462. Oct, 488-492. Nov 1881.

**17.156.** *Ueber Mespilus* Tournefort und einige Nordamerikanische Arten ... Separat-Abdruck aus Linnaea ... [1882]. Oct.
*Publ.*: Mai 1882, cover-t.p., p. [487]-506. *Copy*: B. – Reprinted and to be cited from Linnaea 43(7): [487]-506. 1882.

**17.157.** *Die Gattung Fraxinus* Tourn. neu bearbeitet ... [Bot. Jahrb. 1883]. Oct.
*Publ.*: 8 Mai 1883, p. [165]-188, *pl. 2* (uncol. liths. auct.). *Copies*: B, G, HH. – Reprinted and to be cited from Bot. Jahrb. 4(2): [165]-188, *pl. 2*. 1883.

**17.158.** *Die Pomaceen.* Charaktere der Gattungen und Arten ... [Jahrb. Bot. Gart. Berlin 1883]. Oct.
*Publ.*: Mar 1883 (KNAW Apr 1883; Nat. Nov. Apr(2) 1883; p. vi of Vorwort in journal: Mar 1883), p. [287]-307. *Copy*: B. – Reprinted and to be cited from Jahrb. Bot. Gart. Berlin 2: [287]-307. 1883.
*Summary*: Die Familie *Pomariae* (Pomaceae) Lindley neu bearbeitet, Monatschr. Ver. Gartenb. Preuss. Staat. 17: 487-509, 534-556. 1874, 18: 22-23, 126-142, 177-188, 227-235, 275-281. 1875; see also *Prioritätsnamen in der Familie der Pomaceen*, ib. 24: 179-180. 1881.
*Preliminary publ.*: *Pomariae* Lindley, Linnaea 38: 1-128. Dec 1873, 129-206. Jan 1874; *Neue Betrachtungen in der Familie der Pomaceen*, ib. 43: 67-82. Jan 1881.
*Follow-up*: *Nova ex Pomaceis*, Bot. Centralbl. 35: 341-342. 1888.

**17.159.** *Die Eichenarten Amerika's.* Neu bearbeitet ... [Jahrb. Bot. Gart. Berlin 1884]. Oct.
*Publ.*: Dec 1884 (t.p. journal 1884; p. [iii] volume Dec 1884; Nat. Nov. Jan(2) 1885 as of 1884), p. [175]-219. *Copies*: B, HH. – Reprinted and to be cited from Jahrb. Bot. Gart. Berlin 3: 175-216. 1884.

**17.160.** *Die Eichen Europa's, Nordafrikas und des Orients.* Neu bearbeitet ... [Jahrb. Bot. Gart. Berlin 1886]. Oct.
*Publ.*: Oct 1886 (Nat. Nov. Nov(2) 1886; Bot. Zeit. 3 Dec 1886; KNAW rd. Nov 1886; Flora 1 Dec 1886), p. [179]-213. *Copy*: B. – Reprinted and to be cited from Jahrb. Bot. Gart. Berlin 4: [179]-213. 1886.

**17.161.** *Die Eichen Ost- und Südasiens* ... [Jahrb. Bot. Gart. Berlin 1886]. Oct.
*Publ.*: Oct 1886 (see above, *Die Eichen* ...), p. [214]-240. *Copy*: B. – Reprinted and to be cited from Jahrb. Bot. Gard. Berlin 4: [214]-220. 1886.

**17.162.** *Die Gattung Spiraea* L. [Flora 1888]. Oct.
*Publ.*: 1, 11, 21 Jun 1888 (in journal), p. [1]-29. *Copy*: B. – Reprinted and to be cited from Flora 71: 243-248. 1 Jun, 266-274. 11 Jun, 275-290. 21 Jun 1888.

**Wenzlaff, Franz** (1810-?), German (Prussian) botanist; studied at Königsberg 1839-1843; at Berlin 1843-1844; Dr. phil. ib. 1844, later high school director in Berlin. (*Wenzlaff*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 477 (b. 29 Sep 1810); BM 5: 2293; Herder p. 36; PR 10185, ed. 1: 11166; Rehder 1: 191.

**17.163.** *De defoliatione plantarum.* Dissertatio inauguralis phyto-physiologica quam consensu et auctoritate amplissimi philosophorum ordinis in Alma literarum Universitate Friderica Guilelma berolinensi pro summis in philosophia honoribus rite capessendis die v.m. Augusti a. mdcccxliv h.l.q.s. publice defendet auctor ... Berolini [Berlin] (typis fratrum Schlesinger) [1844]. Oct. (*Defoliat. pl.*).
*Publ.*: 5 Aug 1844, p. [i-iv], [1]-49, [50-51, vita], [52, theses]. *Copies*: B-S, G(2).

**Wercklé, Karl** (1860-1924), French (Lorraine)-born botanist and horticulturist of Alsatian descent and German culture; went to the United States; horticulturist with J.L. Childs, Long Island; travelled in Costa Rica 1897-1898; with Siebrecht and Wadley in New York and New Rochelle 1898-1902; in Costa Rica working mainly as a private horticulturist 1902-1924. (*Wercklé*).

HERBARIUM and TYPES: CR (complete?); further material in B (mainly destr.), C, P, STU, US (418). *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 477 (d. 24 Nov 1924); BJI 2: 189; BM 5: 2293; LS suppl. 29756; Tucker 1: 740; Urban-Berl. p. 409.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 497-498. 1969.
Berger, A., Z. Sukkulentenk. 2: 200-202. 1926 (obit.).
Gómez, P., L.D., Brenesia 12-13: 25-79. 1977 (on W. and Christ), 14-15: 361-393. 1978 (biogr., work in Costa Rica; main treatment, bibl.; portr. b. 18 Jul 1860).
Standley, P.C., Science ser. 2. 63. 221-223. 1926 (biogr. sketch).

HANDWRITING: Brenesia 14-15: 368, 370-371. 1978.

EPONYMY: *Wercklea* Pittier et Standley (1916); *Werckleocereus* N.L. Britton et J.N. Rose (1909).

**17.164.** *La subregion fitogeográfica costarricense* ... San José, Costa Rica (Tipografía Nacional) 1909. Qu. (*Subreg. fitogeogr. costarr.*).
*Publ.*: 1909, p. [1]-55. *Copies*: BR, G, HH, M, MICH, NY, PH, US.

**Werdermann, Erich** (1892-1959), German (Prussian [Berlin]) botanist; studied at the University of Berlin; on active service 1914-1919; Dr. phil. Berlin (student of G.J.F. Haberlandt) 1919; anatomist and plant physiologist Biol. Reichsanstalt Berlin-Dahlem 1919-1920; pharmacognosist at the Reichsgesundheitsamt Berlin 1920-1921; from 1921-1959 with the Botanical Museum and Herbarium Berlin-Dahlem, assistant 1921-1927, curator 1927-1933, professor 1933, interim director 1951-1955, director 1955-1958; professor of botany at the Freie Universität 1955; plant geographer and student of the Cactaceae; travelled in Chile and Bolivia 1923-1927, Brazil 1932, Mexico 1933, Greece 1937, South Africa 1958-1959. (*Werderm.*).

HERBARIUM and TYPES: B (partly extant, esp. alcohol material); other material in A, BM, BR, CAS, E (Chile), F, G, K, M, MO, NY, PRE (S. Afr.), S, SI (1500, Chile), U, UC, US (1072). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 477; BFM 2274; Biol.-Dokum. 19: 9926-9927; BJI 2: 189; Bossert p. 431; Hortus 3: 1207; IH 1 (ed. 1): 10, (ed. 2): 23, (ed. 3): 26, (ed. 4): 27, (ed. 6): 366, (ed. 7): 345; Kelly p. 240; Langman p. 798-799; LS suppl. 29757-29760; Stevenson p. 1262; TL-2/1707, 1711; Zander ed. 10, p. 732, ed. 11, p. 788, 835; Zep-Tim p. 115-116.

BIOFILE: Anon., Berliner Morgenpost 22 Apr 1959 (obit., portr.); Der Steglitzer 26 Mar 1952 (on directorship); Index Amer. bot. lit. 1886-1966. 4: 488-490. 1969 (bibl.); Notizbl. Berlin-Dahlem 12: 7-8. 1934 (studied at Huntington Bot. Gard., trip Mexico); Sukkulenten 23: 321, 322, 324. 1972; Tagesspiegel, Berlin 22 Apr, 26 Apr, 14 Mai 1959; Taxon 8: 209. 1959.
Arsac, J., Cactus, Paris 66: 1-2. 1960 (obit., portr.).

Bullock, A.A., Bibl. S. Afr. bot. 129. 1978.
Castellanos, A. & R.A. Pérez-Moreau, Lilloa 7: 548 [index]. 1941 (bibl.).
Eckart, Th., Willdenowia 4(2): 175-176. 1966.
Ernst, A., Steglitzer Anzeiger 24 Apr 1938 (lecture Dolomites).
F.H., Telegraf, Berlin 23 Apr 1959 (obit. not.).
Fricke, W., Kakteen und andere Sukkulenten 11(2): 17-18. 1960 (obit. not., portr., b. 12 Mar 1892, d. 19 Apr 1959).
G.H.P., Telegraf am Abend, Berlin 1 Nov 1949 ("In aller Welt auf Pflanzenjagd"; interview).
Gunn, M. & L.E. Codd, Bot. expl. S. Afr. 374. 1981.
Leuenberger, B.E., Willdenowia 8: 625-635. 1979 (types, alcohol mat., extant); Kakt. Sukk. 31: 129-131. 1980.
Looser, G., Rev. univ., Univ. Cat. Chile 44-45: 231-234. 1960 (obit., portr.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 784. 1985.
Mattick, F., Ber. deut. bot. Ges. 74: (103)-(104). 1961 (obit. not.; portr.); Willdenowia 3(1): 1-19. 1968 (obit., port., bibl. 130 nos; b. 2 Mar 1892, d. 19 Apr 1959).
Melchior, H., Kakteen und andere Sukkulenten 11(2): 18-19. 1960 (obit.).
Pilger, R., Mitt. Bot. Gart. Mus. Berl.-Dahlem 1(1): 2, 15, 19. 1953 (activities 1939-1945 in Bot. Mus.).
Thiergart, F., Berliner Morgenpost 24 Apr 1959 (S. Afr. journey).
Verdoorn, F., ed., Chron. bot. 3: 370. 1937, 4: 151. 1938, 5: 76. 1939.
Wey, Der Steglitzer 8 Jul 1952 (three-minute interview).
Verdoorn, F., ed., Chron. bot. 3: 370. 1937, 4: 151. 1938, 5: 76. 1939.

COMPOSITE WORKS: (1) With H. Melchior, Engler *Syllabus der Pflanzenfamilien* ed. 12, 2 vols. 1954-1964, TL-2/1707; author of *Fungi* in 1: 138-204. 1954.
(2) *Beiträge zur Kenntniss der Flora von Chile*, a series of 5 papers by Werdermann et al. in Notizbl. Bot. Gart. Mus. Berlin-Dahlem 10(92): 135-138, 138-155. 1927, 10(95): 460-472, 472-475. 1 Dec 1928, 10(97): 752-758, 758-768. 10 Jul 1929.
(3) Editor, with H. Melchior, EP, Nat. Pflanzenfam. ed. 2, vols. 14d(1956), 17aII (1959), 20d (1953), TL-2/1711.
(4) Editor, *Kakteenkunde* 1933, Heft 1-12, p. 1-240.
(5) *Die Pflanzenwelt Nord- und Mittelchiles*, *in* Karsten & Schenk, *Vegetationsbilder*, ser. 21, Hefte 6-7, 1931.
(6) Co-author, with E. Gilg, *Dilleniaceae*, *Actinidiaceae*, *Marcgraviaceae*, *in* EP, Nat. Pflanzenfam. ed. 2. 21: 7-47, 94-106. 1925, TL-2/1711.
(7) *Neue Kakteen*, *in* C. Backeberg, Neue Kakteen 62-103. 1931.

EPONYMY: *Werdermannia* O.E. Schulz (1928).

**17.165.** *Blühende Sukkulenten* herausgegeben von Dr. Erich Werdermann ... Leipzig (Verlag und Druck Thalacker & Schäffer) 1931-1939, Mappen 1-42. †. (*Blüh. Sukk.*).
*Title*: from Mappe 7 onward with the title *Blühende Kakteen und andere Sukkulente Pflanzen.* Imprint Band 1 (Mappe 1-12): Verlag von J. Neumann-Neudamm. The illustrations are colour photographs. Werdermann had a collection of several thousands of such photographs, mostly made by himself.
*Band 1*: 1931-1932, p. [i-iii], *Mappen 1-12.*
*1*: 1 Oct 1930, cover-t.p., *pl. 1-4* with text (col. phot.).
*2*: 15 Dec 1931, cover-t.p., *pl. 5-8* with text (id.).
*3*: 1 Jun 1931, cover-t.p., *pl. 9-12* (id.).
*4*: 15 Aug 1931, cover-t.p., *pl. 13-16* (id.).
*5*: 15 Oct 1931, cover-t.p., *pl. 17-20* (id.).
*6*: 15 Dec 1931, cover-t.p., *pl. 21-24* (id.).
*7*: 15 Feb 1932, cover-t.p., *pl. 25-28* (id.). Imprint from this issue on "Verlag von J. Neumann-Neudamm". Title changed, see above.
*8*: 15 Apr 1932, cover-t.p., *pl. 29-32* (id.).
*9*: 15 Jun 1932, cover-t.p., *pl. 33-36* (id.).
*10*: 1 Oct 1932, cover-t.p., *pl. 37-40* (id.).
*11*: 20 Nov 1932, cover-t.p., *pl. 41-44* (id.).
*12*: 20 Dec 1932, cover-t.p., *pl. 45-48* (id.).

*Band 2*: 1933, p. [i-iii], *Mappen 13-18.*
*13*: 15 Feb 1933, cover-t.p., *pl. 49-52* (id.).
*14*: 15 Apr 1933, cover-t.p., *pl. 53-56* (id.).
*15*: 15 Jun 1933, cover-t.p., *pl. 57-60* (id.).
*16*: 15 Aug 1933, cover-t.p., *pl. 61-64* (id.).
*17*: 15 Oct 1933, cover-t.p., *pl. 65-68* (id.).
*18*: 15 Dec 1933, cover-.tp., *pl. 69-72* (id.).
*Band 3*: 1934-1935, p. [i-iii], *Mappen 19-26.*
*19*: 1 Mar 1934, cover-t.p., *pl. 73-76* (id.).
*20*: 1 Jun 1934, cover-t.p., *pl. 77-80* (id.).
*21*: 15 Sep 1934, cover-t.p., *pl. 81-84* (id.).
*22*: 15 Dec 1934, cover-t.p., *pl. 85-88* (id.).
*23*: 15 Mar 1935, cover-t.p., *pl. 89-92* (id.).
*24*: 1 Jul 1935, cover-t.p., *pl. 93-96* (id.).
*25*: 15 Sep 1935, cover-t.p., *pl. 97-100* (id.).
*26*: 30 Nov 1935, cover-t.p., *pl. 101-104* (id.).
*Band 4*: 1936-1937, p. [i-iii], *Mappen 27-34.*
*27*: 15 Mar 1936, cover-t.p., *pl. 105-108* (id.).
*28*: 1 Aug 1936, cover-t.p., *pl. 109-112* (id.).
*29*: 31 Oct 1936, cover-t.p., *pl. 113-116* (id.).
*30*: 10 Dec 1936, cover-t.p., *pl. 117-120* (id.).
*31*: 10 Apr 1937, cover-t.p., *pl. 121-124* (id.).
*32*: 15 Jun 1937, cover-t.p., *pl. 125-128* (id.).
*33*: 15 Oct 1937, cover-t.p., *pl. 129-132* (id.).
*34*: 10 Dec 1937,cover-t.p., *pl. 133-136* (id.).
*Band 5*: 1938-1939, *Mappen 35-42.*
*35*: 15 Mar 1938, cover-t.p., *pl. 137-140* (id.).
*36*: 10 Jul 1938, cover-t.p., *pl. 141-144* (id.).
*37*: 20 Nov 1938, cover-t.p., *pl. 145-148* (id.).
*38*: 10 Dec 1938, cover-t.p., *pl. 149-152* (id.).
*39*: 1 Jul 1939, cover-t.p., *pl. 153-156* (id.).
*40*: 15 Sep 1939, cover-t.p., *pl. 157-160* (id.).
*41*: 1 Nov 1939, cover-t.p., *pl. 161-164* (id.).
*42*: 10 Dec 1939, cover-t.p., *pl. 165-168* (id.).
*Copies*: B, B-S, BR, NY, PH. – Also issued with imprint on covers "Repertorium specierum novarum regni vegetabile Sonderheft C ..."

**17.166.** *Brasilien und seine Säulenkakteen* ... Neudamm (Verlag von J. Neumann) 1933. Oct. (*Bras. Säulenkakt.*).
*Publ.*: Feb-Mai 1933 (p. v: Jan 1933; J. Bot. rev. Nov 1933; Nat. Nov. Jun 1933), p. [i]-vii, 1-122, *4 col. pl.* in text, map (p. ii). *Copies*: B, BR, G, HH, M, MICH, NY, USDA.
*English transl.*: 1942-1943, 1945, p. [i]-vii, 1-121, [122]. *Copies*: HH, NY, PH, UC. – *Brazil and its Columnar Cacti* ... translation ... by R.W. Kelly ... Pasadena (... Abbey Garden Press, ...) 1942. (*Braz. column. Cact.*). Originally published in Cact. Succ. J. (Los Angeles) (with continuous pagination) 14(6): i-vii, 1-8 Jun, 14(7): 9-24. Jul, 14(9): 25-32. Sep 1942, 14(10-11): 33-40. 1942, 15(1): 41-44. Jan, 15(2): 45-52. Feb, 15(4): 53-56. Apr, 15(5): 57-60. Mai, 15(6): 61-68. Jun, 15(8): 69-72. Aug, 15(9): 73-76. Sep, 15(10): 77-80. Oct, 15(11): 81-84. Nov 1943, 17(1): 83-90. Jan, 17(2): 91-98. Feb, 17(3): 99-114. Mar, 17(4): 115-121, [122]. Apr 1945 (see also Cact. Succ. J. (Los Angeles), 17: 2. Jan 1945. R.W. Kelly translated the narrative part on p. 1-83, L. Croizat the descriptive part on p. 84-122. These were specially paginated sections bound in the middle of the monthly issues of the Journal (info. R. Schmid).

**17.167.** *Cactaceae novae* ... Aus "Notizblatt des Bot. Gart. u. Mus. Berlin-Dahlem" ... 1934. Oct.
*Publ.*: 31 Dec 1934, p. [223]-229. *Copy*: B. – Reprinted and to be cited from Notizbl. Bot. Gart. Mus. Berlin-Dahlem 12(112): [223]-229. 1934.

**17.168.** *Meine Kakteen* Arten, Pflege und Anzucht neunte Auflage des Kakteenbuches

von W.O. Rother ... Frankfurt (Oder) und Berlin (Gartenbauverlag Trowitzsch & Sohn) [1938]. Oct. (*Meine Kakteen*).
*Co-author*: H. Soznic (Danzig); author of first ed.: Wilhelm Otto Rother (b. 1853).
*Publ.*: 1938 (p. [6]: Dec 1937), p. [1]-239, *4 pl. Copy*: B.

**Werneck, Ludwig Friedrich Franz** Freiherr **von** (*fl.* 1791), German forester and botanist. (*Werneck*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 478; PR 10187-10188, ed. 1: 11168-11170; Rehder 5: 913; Tucker 1: 740.

**17.169.** Ludwig Friedrich Franz Freiherrn von Wernecks Oberforstmeisters *Anleitung zur gemeinnüzlichen Kenntniss der Holzpflanzen* denjenigen Forstbedienten gewidmet, welche sich zu den obern Stellen brauchbar machen wollen. Frankfurt am Mayn (im Verlag der Jägerischen Buchhandlung) 1791. Oct. (*Anleit. Kenntn. Holzpfl.*).
*Publ.*: 1791, p. [i]-xvi, [1]-316. *Copies*: G, HH.
*Note*: Published also a *Versuch einer Pflanzen-Pathologie und Therapie*, Mannheim und Heidelberg (bei Schwan und Götz) 1807. Oct., p. [i], [1]-60, [61-62]. *Copy*: HH.

**Wernekinck, Franz** (1764-1839), German (Westphalian) botanist and physician; studied in Göttingen; practicing physician and professor of botany in Münster (Wstf.). (*Wernekinck*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: ADB 42: 21-22; Barnhart 3: 478 (b. 19 Feb 1764, d. 6 Feb 1839); Jackson p. 307; NI 2137; Rehder 1: 375.

BIOFILE: Anon., Neu. Nekrol. Deutsch. 17(2): 1122. 1841 (d. 6 Feb 1839).
Runge, F., Abh. Landesmus. Naturk. Münster Westf. 29: 28. 1967.
Schulz, A., Jahresber. Westfäl. Ver. Wiss. Kunst 43: 13-36. 1915, 4: 51-67. 1916 (W. and the flora of the Münsterland).

**17.170.** *Icones plantarum* sponte nascentium in episcopatum monasteriensi, additis differentiis specificis, synonymis, et locis naturalis editae a Francisco Wernekinck, Med. L. Volumen primum continens tabulas i-c. Monasterii Westphalorum [Münster] (typis Aschendorfianis, ...) 1798. Fol. (*Icon. pl.*).
*Publ.*: 1798 (p. 6: 31 Dec 1797), p. [1]-12. *Copies*: B-S, NSUB. – PR "Est explicatio 2100 tabularum, quae nunquam prodierunt"; Jackson (p. 307): "Letterpress descriptive of certain plates which were never issued. See also Schulz (1915).

**Werner, Roger-Guy** (1901-1977), French (Alsatian) botanist (lichenologist, general cryptogamist); studied botany at the University of Strasbourg 1919-1922; worked on his thesis with Ch. Killian 1922-1927; Dr. sci. Paris 1927; technician at the Station centrale de Phytopathologie, Paris 1925-1926; id. at the Faculté des Sciences, Strasbourg 1926-1928; cryptogamist at the Institut scientifique Chérifien, Rabat 1929-1936, head of the botany dept. of that institute 1936-1948; lecturer (1948-1956) and professor of botany (1956-1972) at the Faculty of Sciences of the University of Nancy. (*Werner*).

HERBARIUM and TYPES: BC. – Other material at AL, M, RAB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 478; GR p. 300-301, cat. p. 73; LS suppl. 29769-29780; Roon p. 122; SBC p. 134.

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 221: 542-543. 1974; Taxon 27(1): 143. 1978 (d.; herb. BC).
Lallemant, R., Int. lichenol. Newsl. 10(2): 8. 1977 (portr., obit. not.; "ses deux passions furent les Lichens et la musique").

Laundon, J.R., Lichenologist 11: 18. 1979 (herb. BC).
Llimona, X., Collect. bot. 11: 475-504. 1979 (obit., portr., bibl.; 4 Jan 1901, d. 28 Mar 1977); Int. lichenol. Newsl. 12(1): 5. 1979 (on herbarium).
Verdoorn, F., ed., Chron. bot. 2: 230. 1936, 3: 202.1937, 5: 113, 526. 1939.

COMPOSITE WORKS: *Aperçu floristique sur les lichens du Maroc*, *in* Travaux cryptogmiques dédiés á Louis Mangin 135-188. Sep 1931.

NOTE: (1) Werner published a valuable *Prodrome pour une histoire des botanistes de souche Lorraine*, Bull. Acad. Soc. Lorr. Sci., Nancy 6(2): 98-126. 1966.
(2) Notices of publications by R.G. Werner *in* Rev. bryol. lichénol. 5(2-3): 154, 158, 159. 1933, 6: 221. 1934, 7: 309, 322. 1935, 8(3-4): 233, 237. 1935, 9(1-2): 166, 167, 168, 170. 1936, 11(1-2): 124, 128. 1939, 18(3-4): 200. 1949, 19(1-2): 130, 142. 1950, 24(3-4): 408. 1955, 26(3-4): 290. 1957, 30(1-2): 183. 1961, 30(3-4): 304. 1961, 34(3-4): 976. 1967, 37(3): 717. 1971, 39(1): 203. 1973, 41(4): 529. 1976.
(3) We can give only a small sample of the many publications of this author. For the main bibliography (172 nos.) see Llimona (1979).

EPONYMY: *Wernera* Zschacke ex R.G.Werner (1934). *Note*: *Werneriobryum* Herzog (1909) was named for Dr. E. Werner who collected mosses in New Guinea in 1908; *Werneria* H.B.K. (1818) honors Abraham Gottlob Werner (1749-1817), professor of mineralogy at Freiburg and for whom the Wernerian Natural History Society was named.

**17.171.** Serie A, N° 1094 ... Thèses présentées à la Faculté des sciences de Paris pour obtenir le grade de docteur ès sciences naturelles ... 1re Thése ... *Recherches biologiques et expérimentelles sur les Ascomycètes de Lichens*. 2e Thése. – Propositions donnés par la Faculté soutenues le [mss.: 13] juin 1927, devant la commission d'examen ... Mulhouse (Braun & Cie ...) Paris 1927. Oct. (*Rech. biol. Ascomyc. lich.*).
*Publ.*: 13 Jun 1927, p. [i]-vi, [1]-78, [79-80, cont.], [81, thèses], *pl. 1-8*. *Copy*: FH.

**17.172.** *Contribution à la flore de la vallée de la Kirneck* ... et de la région du Mont Sainte-Odile ... Mulhouse (Imprimerie Bader & Cie) 1931. Oct.
*Publ.*: Jan 1931, cover-t.p., p. [1]-15. *Copy*: B. – Reprinted and to be cited from Bull. Soc. industr. Mulhouse 1931: [1]-15.
*Nouvelle contribution*: Bull. Ass. philomat. Als.-Lorr. 8(1): 26-36. 1933.

**17.173.** *Notes cryptogamiques sur l'Alsace* ... Extrait du Bulletin de la Société d'histoire naturelle de Colmar 1933-1934 [1933]. Oct.
*Publ.*: 1933, cover-t.p., p. [1]-18. *Copy*: B. – Reprinted and to be cited from Bull. Soc. Hist. nat. Colmar 1933-34: [1]-18. 1933.

**17.174.** *Étude sur la flore cryptogamique du Maroc* ... [Extrait des Annales de Cryptogamie exotique ... 1933 ...]. Oct.
*Co-author*: Jacques Marie Albert Maheu (1873-1937), TL-2/3: 249.
*Publ.*: Dec 1933, p. [236]-257, [1, identif.]. *Copy*: B. – Reprinted and to be cited from Ann. Crypt. exot. 6(3-4): [236]-257. 1933.
*Note*: For the series *Contribution[s] à la flore cryptogamique du Maroc*, Fasc. 1-18, 1930-1939, published in Bull. Soc. Sci. nat. Maroc 10-19, 1930-1939, see Llimona (1979).

**17.175.** *Recherches phytogéographiques* comparées sur la flore cryptogamique de l'Espagne méridionale et du Maroc ... [Extrait du Bulletin de la Société des Sciences naturelles du Maroc ... 1937]. Oct.
*Publ.*: 31 Mar 1937, p. [i], [1]-35. *Copy*: B. – Reprinted and to be cited from Bull. Soc. Sci. nat. Maroc 17(1): [32]-66. 1937.

**17.176.** *Essai d'une synthèse phytogéographique* des cryptogames en montagne marocaine d'après nos connaissances actuelles ... [Extrait du Bulletin de la Société des Sciences naturelles du Maroc ... 1937]. Oct.
*Publ.*: 30 Jun 1937, p. [1]-28. *Copy*: B. – Reprinted and to be cited from Bull. Soc. Sci. nat. Maroc 17(2): 99-126. 1937.

**Wernham, Herbert Fuller** (1879-1941), British botanist; worked in the General Post Office, London 1903-1909; B.Sc. Univ. London 1908; succeeded James Britten as assistant in the Department of Botany of the British Museum (Natural History) 1909; retired because of ill health 1921; specialist on Rubiaceae. (*Wernham*).

HERBARIUM and TYPES: BM.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 624; BL 1: 323; BM 8: 1415; Langman p. 799; PH 209; Tucker 1: 740, 3: 331.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 500-501. 1969.
Kent, D.H., Brit. herb. 85. 1957.
Kent, D.H. & D.E. Alllen, Brit. Irish herb. 270. 1984 (290 specimens at BM; Galium).
Stearn, W.T., Taxon 30(1): 1-6. 1981 (biogr., bibl., b. 24 Sep 1879, d. 20 Sep 1941); Nat. Hist. Mus. S. Kensington 301, 303. 1981.

COMPOSITE WORKS: (1) Contributed *Rubiaceae* (p. 39-56), *Ebenaceae* and *Apocynaceae* (p. 57-63), *Loganiaceae* (with S. Moore, p. 66-72), *Pedalineae* (p. 73), *Verbenaceae* (p. 90-92), *in* A.B. Rendle et al., *Cat. pl. Oban* 1913, TL-2/9069.
(2) Contributed *Rubiaceae* (p. 66-79), *Goodeniaceae* (p. 88), *Vacciniaceae* (p. 89-93), *Ericaceae* (p. 93-100), *Epacridaceae* (p. 100-102), *Boraginaceae* (p. 118), *Convolvulaceae* (p. 118-119), *Solanaceae* (p. 119-120), *Scrophulariaceae* (p. 120-122), *in* H.N. Ridley et al., *Report on the botany of the Wollaston expedition*, 1926, see TL-2/9210.
(3) Series of papers on *Tropical American Rubiaceae* in J. Bot. 49: 317-318. Oct 1911, 50: 241-244. Aug 1912, 51: 218-221. Jul 1913, 320-324. Nov 1913, 52: 225-227. Sep, 313-316. Dec 1914, 53: 15 Jan 1915, 54: 322-334. Nov 1916, 55: 169-177. Jul, 251-254. Sep, 279-285. Oct, 336-337. Dec 1917, 56 (suppl.): 1-16. Sep-Oct. 1918, 57 (suppl.): 17-24. Jan 1919, 25-32. Feb 1919, 33-44. Mar 1919, 58: 105-108. Apr 1920.
(4) With S. Moore, *Rubiaceae in* T. Herzog, *Die von Th. Herzog auf seiner zweiten Reise durch Brasilien ... gesammelten Pflanzen*, Med. Rijks Herb. Leiden 46: 21-28. 1932.

EPONYMY: *Wernhamia* S. Moore (1922).

**17.177.** *Floral evolution*: with particular reference to the sympetalous dicotyledons ... Cambridge (at the Botany School) 1913. Oct.
*Publ.*: Jan 1913, p. [i-vii], [1]-151, [152, colo.], chart. *Copies*: NY, Wagenitz. – Reprinted and to be cited from New Phytologist 10(3): 73-83. 31 Mar, (4): 109-120. 10 Mai (5-6): 145-159. 30 Sep, (7-8): 217-226. 20 Nov, 293-305. 23 Dec 1911, 11(5-6): 145-166. 24 Jun, (7): 217-235. 30 Jul, (8): 290-305. 30 Oct, (10): 373-397. 31 Dec 1912.
*Author's abstract*: Bot. Centralbl. 123: 337-339. 30 Sep 1913.
*Ref.*: C.E.M., J. Bot. 52: 110-114. Apr 1914 (rev.).

**17.178.** British Museum (Natural History) *A monograph of the genus Sabicea* ... London (printed by order of the trustees of the British Museum ...) 1914. Oct. (*Monogr. Sabicea*).
*Publ.*: Apr 1914 (p. [v]: 11 Mar 1914; Stearn (1981) p. 5; ÖbZ for Jun-Jul 1914; Nat. Nov. Jul 1914), p. [i-vii], [1]-82, [83], *pl. 1-12* (uncol. liths. J.N. Fitch). *Copies*: B, BR, G, HH, Liverpool City Libr., MICH, MO, NSUB, NY, US.
*Ref.*: Gagnepain, F., Bull. Soc. bot. France 61: 451-452. 1915.
Jesson, E.M., Bot. Centralbl. 128: 282-283. 1915.
S.M., J. Bot. 251-252. Sep 1914 (rev.).

**17.179.** *Enumeration of T.A. Sprague's South American plants*: Gamopetalae ... London (printed by Jas. Truscott and Son Ltd. ...) 1914. Oct.
*Publ.*: 1914, cover-t.p., p. [1]-7. *Copy*: B. – Reprinted and to be cited from Bull. misc. Inf. Kew 1914(2).

**Wernischeck, [Johann] Jakob** (1743-1804), Hungarian-born Austrian physician and botanist; studied and practiced in Vienna. (*Wernisch.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 478 (d. 18 Jul 1804); Dryander 3: 32; Herder p. 143; Kanitz 48; PR 10192, ed. 1: 11174; Rehder 1: 257; RS p. 148; TL-1/1406; WU 55: 105-107; Zander ed. 10, p. 732, ed. 11, p. 835.

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 221: 598. 1974 (medical works, "Wernischek").

EPONYMY: *Wernisekia* Scopoli (1777) probably honors this author, but no etymology was given.

**17.180.** *Genera plantarum* cum characteribus suis essentialibus et naturalibus, quae ad facilius assequendam earum notitiam secundum corollae limbum ordinavit, et edidit Jacobus Wernischek [sic], ... Viennae Austriae [Wien] (e Typographeo Kaliwodiano) 1763. Oct. (*Gen. pl.*).
*Ed.* [*1*]: Jan-Sep 1763 (J. Encycl., Bouillon 15 Oct 1763 (cens. 27 Oct 1763)), p. [i-xvi], 1-430, index [1-18]. *Copies*: PH, US.
*Ed.* [*2*]: 1764, p. [i-x], 1-430, index [1-18]. *Copies*: B, G, HH, USDA(2); IDC 5806. – Jacobi Wernischeck [sic] A.A.L.L. Philosoph. et medicin. Doctoris *Genera plantarum*, ad facilius consequendam earum notitiam secundum numerum laciniarum corollae disposita. Vindobonae [Wien] (Typis Joannis Thomae de Trattern, ...) 1764. Oct.
*Ed.* [*3*]: 1766, p. [i-x], 1-361, [1-16, index]. *Copies*: HH, L-UB, NSUB, NY. – Vindobonae (id.) 1766. Oct.

**Werth, Emil [Albert Karl August]** (1869-1958), German (Westphalian) explorer, ethnographer and botanist; studied pharmacy in various Westphalian pharmacies; state examination pharmacy 1895; travelled in German and British East Africa 1896-1899; Dr. phil. Bern 1901; with the German Antarctic Expedition in charge of the Kerguelen station 1900 (arr. Kerguelen 1902)-1903; in Australia 1903-1904; with the office of the expedition in Germany 1905-1906; with the German office of the International Bibliography of the Natural Sciences 1906-1908; with the Biologische Reichsanstalt für Land- und Forstwirschaft from 1908, in that capacity e.g. travelling widely and founder of the Phaenologischer Reichsdienst; retired 1934. (*Werth*).

HERBARIUM and TYPES: B (Antarctic material; herb. mainly destr., alcohol material algae extant); other material at H, M.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 478 (b. 11 Mar 1869); BFM 1699, 2671, 2672; Biol.-Dokum. 19: 9945, 9946-9949; BJI 2: 189; BL 1: 63, 323; BM 8: 1415-1416; Bossert p. 432; Hirsch p. 321; LS 30610, 40513-40514, suppl. 29782-29790; SO add. 919ba; Urban-Berl. 270, 284, 292, 317.

BIOFILE: Anon., Angewandte Bot. 32: 205. 1958 (d. 8 Jul 1958); Cat. gén. livr. impr. Bibl. natl. 221: 649-650. 1974.
Degener, H.A.L., Wer ist's ed. 10. 1718. 1935.
Findeisen, H., Abh. naturw. Ver. Schwaben 10: 2-12. 1954 (tribute 85th birthday; followed by autobiogr. material Werth on p.13-28).
Hertel, H., Mitt. Bot. München 16: 453. 1980 (coll. M).
Oberschelp, R., ed., Gesamtverz. deut. Schriftt. 143: 516. 1981.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 343-344. 1914.
Verdoorn, F., ed., Chron. bot. 2: 389. 1936, 5: 302. 1939.

COMPOSITE WORKS: *Zur Natur- und Kulturgeschichte der Banane*, *in* Festschrift Eduard Hahn, Stuttgart 1917, p. [22]-58, map (also as reprint with reprint-cover, *copy*: B).

**17.181.** *Die Vegetation der Insel Sansibar.* Inaugural-Dissertation, der philosophischen Facultät der Universität Bern zur Erlangung der Doctorwürde vorgelegt ... Berlin (gedruckt in der Reichsdruckerei) 1901. Oct. (*Veg. Sansibar*).
*Publ.*: 1901 (copy G rd. 12 Jul 1900; Nat. Nov. Feb(2) 1902), p. [1]-97, map. *Copies*: B, G, NY. – Preprinted or reprinted from Mitt. Seminars Orient. Sprach. 1901, III. Abth. (journal n.v.).

*Ref.*: Neger (München), Bot. Centralbl. 88: 309-310. 30 Nov 1901 (rev.).

**17.182.** Sammlung Göschen. *Das Eiszeitalter* ... Leipzig (G.J. Göschen'sche Verlagshandlung) 1909. Oct. (*Eiszeitalter*).
*Publ.*: 1909, p. [1]-167, map. *Copy*: HH.

**17.183.** *Die Vegetation der subantarktischen Inseln* Kerguelen, Possession- und Heard-Eiland [sic] ... Sonderabdruck aus "Deutsche Südpolar-Expedition" ... Berlin (Druck und Verlag von Georg Reimer) [1906-1911], 2 parts. Qu. (*Veg. subantarkt. Inseln*).
*1*: Dec 1906 (Nat. Nov. Jan(1) 1907; reprint Mai(2) 1907), p. [125]-176, chart, *pl. 9-19.* – Reprinted and to be cited from E. v. Drygalski, ed., *Deutsche Südpolar-Expedition* 1901-1903. 8(1): [125]-176, chart, *pl. 9-19.*
*2*: Sep 1911 (Nat. Nov. Oct(1) 1911 (in series and as reprint); Bot. Centralbl. 16 Jan 1912), p. [221]-371, *pl. 21-26* with text. – Id. 8(3): [221]-371, *pl. 21-26.*
*Copies*: B, H(1), MO.
*Ref.*: Krause, K., Bot. Jahrb. 46 (Lit.): 60-61. 26 Mar 1912 (rev. 2).
Werth, E., Naturw. Wochenschr. ser. 2. 6(24): 368-373. 1907 (Die Pflanzenwelt der Antarktis ...).

**17.184.** *Kurzer Überblick über die Gesamtfrage der Ornithophilie* ... Leipzig (Verlag von Wilhelm Engelmann) 1915. Oct.
*Publ.*: 19 Oct 1915, cover-t.p., [i, recto of 314], [314]-378. *Copy*: B. – Reprinted and to be cited from Bot. Jahrb. 53(3-5): Beibl. 116: [314]-378. 1915.
*Preliminary publ.*: 24 Jul 1900, cover, p. [i, recto of 222], [222]-260. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 42: [222]-260. 1900. – *Blütenbiologische Fragmente aus Ostafrika.*

**17.185.** *Klima- und Vegetations-Gliederung in Deutschland* ... Berlin (Verlagsbuchhandlung Paul Parey ...) 1927. Oct. (*Klima- Veg.-Glied. Deutschland*).
*Publ.*: 1927, p. [1]-40, 10 uncol. maps, 1 col. map. *Copy*: GOET. – Issued as Mitt. Biol. Reichsanst. Land-Forstwirthsch. Berlin-Dahlem 33. 1927.

**17.186.** *Die "wilde" Feige* im östlichen Mittelmeergebiet und die Herkunft der Feigenkultur. (Zur Geographie und Geschichte der Kulturpflanzen und Haustiere vi) ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1933. Oct.
*Publ.*: 26 Jan 1933, p. [539]-557. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 5(10): [539]-557. 1933.

**17.187.** *Verbreitung, Urheimat und Kultur der Kokospalme.* (Zur Geographie und Geschichte der Kulturpflanzen und Haustiere ix) ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1933. Oct.
*Publ.*: 26 Oct 1933, p. [301]-314. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 51(7): [301]-314. 1933.

**17.188.** *Zur Kultur der Dattelpalme* und die Frage ihrer Herkunft. (Zur Geographie und Geschichte der Kulturpflanzen und Haustiere, x) ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1934. Oct.
*Publ.*: 25 Jan 1934, p. [501]-513. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 51(10): [501]-513. 1934.

**Wesenburg-Lund, Carl Jørgen** (1867-1955), Danish limnologist and algologist; Dr. phil. Copenhagen 1899; assistant with the Agricultural College 1894-1899; in charge of the fresh water biological laboratory of the University 1904-1939; professor of fresh water biology 1922-1939. (*Wesenb.-Lund*).

HERBARIUM and TYPES: C.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 478 (b. 22 Dec 1867); Biol.-Dokum. 19: 9954-9955; BM 8: 1416; Bossert p. 432; KR p. 754; LS 41837; Nordstedt suppl. p. 12, 16; PH 567, 939.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 580. 1965; Kraks blaa bog 1911-1955; Österr. bot. Z. 71: 288. 1922 (e.o. prof. freshw. biol. Copenhagen).
Berg, K., Proc. Linn. Soc. London 168: 57-60. 1957 (obit.), Verh. Int. Ver. theor. angew. Limnologie 13(2): 975-978. 1958; Hydrobiologia 8: 191-192. 1956 (obit., d. 12 Nov 1955); K. Danske Vidensk. Selsk., Overs. 1955-1956: 99-111. 1956 (obit., d. 12 Nov 1955).
Christensen, C., Dansk. bot. Litt. 1880-1911: 217-218. 1913; id. 1912-1939: 89-90. 1940; Dansk. bot. hist. 1: 759, 798, 812, 813, 818. 1926.
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Kornerup, T., Overs. Medd. Grønland 1876-1912: 100. 1913.
Lemche, H., Vid. medd. Dansk. naturh. For. 118: vii-xi. 1956 (obit., portr.).
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Schmid, B. & C. Thesing, Biol.-Kalend. 1: 344. 1914.
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T-dh, I., *in* Nordisk Familjebok 20: 321-322. 1934.
Thienemann, A., Arch. Hydrobiol. 42(1-2): 199-200. 1948 (80th birthday).
Tuxen, S.L., Entom. medd. København 28(1-2): 58-68. 1957 (obit., bibl.).

**17.189.** Von dem *Abhängigkeitsverhältnis zwischen dem Bau der Planktonorganismen und dem spezifischen Gewicht des Süsswassers* ... Leipzig (Verlag von Arthur Georgi) 1900. Oct.
*Publ.*: 15 Sep & 1 Oct 1900 (in journal), p. [606]-619, 644-656. *Copy*: B. – Reprinted and to be cited from Biol. Centralbl. 20(18): 606-619. 15 Sep, (19): 644-656. 1 Oct 1900.

**17.190.** *Sur les Aegagropila Sauteri* du Lac de Sorö ... Oversigt over det Kgl. Dansk. Vid. Selsk. Forh. 1903. Oct.
*Publ.*: 1903, cover-t.p., p. [1]-38, map. *Copy*: B. – Reprinted and to be cited from Overs. K. Dansk. Vid. Selsk. Forh. 1930(2): 167-204, map.

**17.191.** *Plankton investigations of the Danish lakes* ... Special part ... Copenhagen (Gyldendalske Boghandel. Nordisk Forlag ...) 1904, 2 parts. Qu. (*Plankt. invest. Dan. lakes*).
*Assistant* for botanical research: Einar Larsen (b. 1878).
*1. Text*: 1904, p. [i-x], [1]-223, [224, err.], [1]-44. – Danish with English summary; Danish title: *Studier over de Danske Søers Plankton* ... I. Tekst.
*2. Appendix*: 1904, p. [i-viii], maps 1-8, *pl. 1-10* with text [xi-xii], 9 charts. – *Studier* ... *Plankton* ... Specielle Del II. Bilag.
*Copies*: FH, PH, USDA. – Danish Freshwater biological Laboratory op. 5. – See Christensen (1913), no. 6.
*General part*: 1908, The Baltic Freshwater Plankton ..., I. Text (xii, 392 p.), II. Appendix (46 charts), p. [i]-xii, [1]-389, [391, err.] (ÖbZ for Mai-Jun 1908, Bot. Centralbl. 15 Sep 1908).
*Ref.*: Ostenfeld, C.H., Bot. Centralbl. 96: 405-408. 25 Oct 1904 (rev. of Special part), 110: 538-542. 1909 (rev. of General part).

**17.192.** *A comparative study of the lakes of Scotland and Denmark* ... Edinburgh (published by Robert Grant & Son, ...) 1905. Oct. (*Comp. Study lakes Scotl. Denm.*).
*Publ.*: 3 Mar 1905 (p. 448: issued 3 Mar 1905), cover-t.p., p. [401]-448. *pl. 1-2. Copy*: B. – Preprinted from Proc. r. Soc. Edinburgh 25(4): [401]-448. 1905.

**17.193.** *Catalogue des espèces de plantes* et d'animaux observées dans le plankton recueilli pendant les expéditions périodiques depuis le mois d'août 1902 jusqu'au mois de mai 1905 ... Copenhague (en commission chez Andr. Fred. Høst & fils) 1906. Oct. (*Cat. esp. pl.*).
*Publ.*: Jul 1906, p. [i]-vii, [1]-122, [123]. *Copy*: US. – Conseil perm. int. expl. mer, Publ. circonstance no. 33.
*For period 1905-1908*: Jul 1901, p. [i]-xiii, [1]-151. *Copy*: US. – Id. no. 48.

*For period 1908-1911*: Dec 1916,p. [i-vii], [1]-87. *Copy*: US. – Id. no. 70.

**17.194.** *Beiträge zur Kenntnis des Lebenszyklus der Zoochlorellen* ... Sonderabdruck aus Internationale Revue der gesamten Hydrobiologie und Hydrographie ... 1909. Oct.
*Publ.*: 1909, cover-t.p., p. [153]-162. *Copy*: B. – Reprinted and to be cited from Int. Rev. Hydrobiol. 2: [153]-162. 1909. – Mitt. biol. Süsswasserlab. Frederiksdal 2.

**17.195.** *Grundtrækkene i Ferskvandsplanktonets biologi* og geografi ... Ymer ... 1909. Oct.
*Publ.*: 1909, cover-t.p., p. [90]-133. *Copy*: B. – Reprinted and to be cited from Ymer 1909(1): 90-133.

**17.196.** *Über die geographische Verbreitung der zwei Geschlechter von Stratiotes aloides* ... Sonderabdruck aus Internationale Revue der gesamten Hydrobiologie ... 1912. Oct.
*Publ.*: 10 Apr 1912 (p. 315: 10 Apr 1912), cover-t.p., p. [306]-316. *Copy*: B. – Reprinted and to be cited from Int. Rev. Hydrobiol. 5: [306]-316. 1912. – Appendix to a larger paper on p. 287-305: Über einige eigenthümliche Temperaturverhältnisse ..., see Christensen (1940) no. 19.

**Wesmael, Alfred** (1832-1905), Belgian botanist and horticulturist; professor of botany at the École d'horticulture de Vilvorde. (*Wesm.*).

HERBARIUM and TYPES: BR; further material in AWH, G (set of European plants outside Benelux). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 479 (b. 11 Feb 1832, d. 9 Nov 1905); BJI 1: 63; BL 2: 35, 36, 731; BM 2: 839, 5: 2296; Bossert p. 432; CSP 6: 326, 8: 1221-1222, 12: 777, 19: 557; Hortus 3: 1207; Langman p. 799; Morren ed. 10, p. 46; MW p. 527; PR (alph.), 4038; Rehder 5: 914; TL-2/999, 14.167, 15.190; Tucker 1: 740.

BIOFILE: Anon., Bibl. natl., Dit. écriv. belg. 4: 337-339. 1910 (bibl.).
Crépin, F., Guide bot. Belgique 483-486. 1878 (bibl.), Manuel fl. Belgique lxviii. 1860.
Stafleu, F.A., The great prodromus 31. 1966.

COMPOSITE WORKS: (1) *Salicineae* (*Populus*), *in* A.P. & Alph. de Candolle, *Prodr.* 16(2): 323-331, med. Jul 1868.
(2) With H.F. Van Heurck, *Prodrome de la flore de Brabant* 1861, see Van Heurck.(TL-2/15.910).

**17.197.** *Notice sur quelques espèces de saules indigènes et exotiques*, propres à l'ornamentation des jardins et à la plantation des oiseraies; suivie de quelques coinsidérations sur la création de ces dernières, ... Gand [Gent] (Imprimerie et lithographie de C. Annoot-Braeckman) 1860. Oct.
*Publ.*: 1860, cover-t.p., p. [1]-18. *Copy*: M. – Reprinted and to be cited from Belg. hort. 10: 153-160, 183-192. 1860.

**17.198.** *Monographie* botanique et horticole *des peupliers cultivés en Belgique*. Mémoire en réponse à la question: Ecrire l'histoire et la monographie botanique et horticole d'un groupe naturel (genre ou famille) de plantes assez généralement cultivées en Belgique, ... Gand (Imprimerie et lithographie de C. Annoot-Braeckman) 1862. Oct. (*Monogr. peupl. Belg.*).
*Publ.*: 1862, p. [1]-42. *Copy*: HH. – Also in Bull. Féd. Soc. hort. Belgique 1862: 315-354.

**17.199.** *Catalogue raisonné des arbres forestiers* & d'ornement de pleine terre en Belgique (les Conifères exceptés), ... Gand (Imprimerie et lithographie de C. Annoot-Braeckman) 1864. Oct.
*Publ.*: 1864 (p. 44: 31 Jan 1864), p. [1]-44. *Copy*: BR. – Reprinted and to be cited from Bull. Féd. Soc. Hort. Belgique 1864: 249-290. 1864.
*Ed. 2*: 1864, p. [1]-53. *Copy*: HH. Id. – Bull. Congr. int. Horticulture 1864: [243]-293.

**17.200.** *Monographie des Saules de la flore belge*, et des espèces les plus répandues dans les cultures, ... Gand (Imprimerie C. Annoot-Braeckman, ...) 1865. Oct.
*Publ.*: 1865, p. [1]-61. *Copy*: U. – Reprinted and to be cited from Bull. Féd. Soc. Hortic. Belgique 1864: 235-293. 1865. – See also his *Monographie des Saules hybrides de la flore belge*, Bull. Soc. Bot. Belgique 3: 92-115. 1865 (also reprinted p. [1]-26. *Copy*: HH).

**17.201.** *Flore forestière de Belgique*, ou description et histoire des végétaux ligneux qui croissent spontanément en Belgique ou qui sont cultivés dans les forêts, ... Gand (Imprimerie C. Annoot-Braeckman, ...) 1866. Oct. (*Fl. forest. Belg.*).
*Publ.*: 1866 (p. 5: 15 Jul 1865), p. [1]-174. *Copies*: BR, G, HH, NY. – Preprinted or reprinted from Bull. Féd. Soc. Hort. Belg. 1865(5): 337-508. 1866.

**17.202.** *Les platanes* cultivés dans les jardins de Belgique ... Gand (Imprimerie C. Annoot-Braeckman) 1868. Oct. (*Platanes*).
*Publ.*: 1868, p. [1]-12. *Copy*: G. – Preprinted or reprinted from Bull. Féd. Soc. Hort. Belg. 1867:305-316. 1868.

**17.203.** *Monographie* de toutes les espèces connues *du genre Populus* ... Mons (Imprimerie Dequesne-Masquillier, ...) 1869. Oct. (*Monogr. Populus*).
*Publ.*: 1869, (p. [5]: 5 Nov 1868; Flora 22 Feb 1870), p. [1]-73, *pl. 1-23* (uncol.). *Copies*: BR, G, HH, NY. – Preprinted or reprinted from Mém. Soc. Sci. Hainaut ser. 3. 3: 183-253. 1869. – Had been planned to precede the author's treatment of this genus in de Candolle, *Prodr.* 16(2): 323-331. med. 1868.
*Follow-up*: *Revue des espèces du genre Populus*, Bull. Soc. Bot. Belg. 26(2): [371]-379. 21 Jan 1889.

**17.204.** *Monographie* botanique et horticole *des chênes* de l'Amérique septentrionale, cultivés dans l'Europe Centrale [1870].
*Publ.*: 1870, Bull. Féd. Soc. Hort. Belg. 1869: [319]-352, [353], alternative pagination [1]-34, [35]. 1870. – Only journal issue seen.

**17.205.** *Revue critique des espèces du genre Acer* ... Gand (Imprimerie C. Annoot-Braeckman) 1890. Oct. (*Rev. Acer*).
*Publ.*: 1890 (BSbF seance 13 Feb 1891), p. [i], [1]-4G. – Preprinted or reprinted from Bull. Soc. Bot. Belgique 29 (Mém.): [17]-65. 1890.

**17.206.** *Monographie des espèces du genre Fraxinus* ... Extrait du Bulletin de la Société royale de Botanique de Belgique ... [1891]. Oct.
*Publ.*: 19 Oct 1891 (in journal), p. [1]-49. *Copies*: G, HH. – Reprinted and to be cited from Bull. Soc. Bot. Belg. 30(1): 69-117. 1892 (publ. 29 Oct 1891).

**Wessel, A.W.** (*fl.* 1858), German (East-Frisian) botanist and high school teacher at Aurich. (*A.Wessel*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2296; Jackson p. 308; PR 10194; Rehder 1: 384.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 656. 1965 (wrote also *Die Nordsee-Insel Spiekeroog*, Aurich 1863).

**17.207.** *Flora Ostfrieslands*. Eine Anleitung zur leichten und sicheren Bestimmung der in Ostfriesland wild wachsenden, so wie der in Gärten und Feldern häufiger gebauten Gefässpflanzen ... Aurich (Verlag von C.O. Seyde) 1858. Oct. (*Fl. Ostfriesl.*)
*Ed.* [*1*]: 1858 (p. viii: Mar 1858), p. [i]-viii, [ix-x], [1]-291, [292, err.], *pl. 1-9* (uncol.). *Copies*: B, HH.
*Facsimile ed. of ed. 1*: 1972, p. [i*-ii*, facs. t.p. and data], p. [i]-viii, [ix-xii], [1]-291, [292, err.], *pl. 1-9*. *Copy*: NY. – ISBN 3-500-24950-7, Dr. Martin Säudig ... Wolluf bei Wiesbaden.

*Ed. 2*: Jun-Aug 1869 (p. v: Mai 1869; Flora 10 Sep 1869), p. [i]-vi, [1]-204. *Copies*: B, HH. – Leer (Verlag von W. Deichmann ...) 1869. Oct.
*Ed. 3*: 1879 (n.v.); Bot. Zeit. 8 Aug 1897; Nat. Nov. Jul(1) 1879.
*Ed. 4*: 1888 (p. [v]: Mai 1888; Nat. Nov. Oct(2) 1888), p. [i]-xviii, [1]-266. *Copy*: B.
*Abbildungen zur Flora von Ostfriesland* ... Emden 1890, 22 p., 21 pl. (n.v.).
*Ref.*: Roth (Berlin), Bot. Centralbl. 38: 454-455. 3 Apr 1889 (rev.).

**Wessel, Otto** (*fl.* 1874), German (Westphalian) botanist. (*O. Wessel*).

HERBARIUM and TYPES: Unknown.

**17.208.** *Grundriss zur Lippischen Flora.* Zweite, sehr vermehrte Auflage des Echterling'schen Verzeichniss der im Fürstenthum Lippe wildwachsenden und häufig angebaut werdenden phanerogamischen Pflanzen, mit Einschluss der Gefäss-Kryptogamen; ... Detmold (Meyer'sche Hofbuchhandlung) 1874. Oct. (*Grundr. Lippisch. Fl.*).
*Publ.*: 1874 (p. viii: Dec 1873; Bot. Zeit. 7 Aug 1874; Hedwigia Dec 1874), p. [i]-viii, [1]-108, [109-110, err.]. *Copy*: B.
*Original publication*: Johann B.H. Echterling, *Verzeichniss der im Fürstenthum Lippe* wildwachsenden und überall angebaut werdenden *phanerogamischen Pflanzen.* Detmold 1846 (ex Rudolph Brandes, Die Mineralquellen zu Meinberg 1846).

**Wessel, [Paul] Philipp [Friedrich]** (1826-1855), German (Westprussian) geographer at Bonn; Dr. phil. Bonn 1851. (*P. Wessel*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 346; Barnhart 3: 479; Biol.-Dokum. 19: 9957; Herder p. 354; PR 10195; Quenstedt p. 456.

**17.209.** *Neuer Beitrag zur Tertiärflora* der niederrheinischen Braunkohlenformation ... [Palaeontographica ... 1856]. Qu.
*Co-author*: Otto Weber.
*Publ.*: 1856 (p. 125: 19 Oct 1855), in Palaeographica 4: [111]-168. *pl. 20-30* (uncol.).

**Wessén, Carl Johan** (1812-1843), Swedish botanist; Dr. phil. Uppsala 1836; library assistant ib. 1839. (*Wessén*).

HERBARIUM and TYPES: Some material at GB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 479; BL 2: 538, 731; BM 5: 2296; Herder p. 196; KR p. 754 (b. 12 Jun 1812, d. 26 Nov 1843); PR 10197, ed. 1: 11177.

**17.210.** *Synopsis plantarum cotyledonearum* in paroecia Ostrogothiae *Kärna.* Quam venia ampl. facult. philos. Upsal. p.p. mag. Carol. Joh. Wessén et Dan Vincent Lundberg ... in audit. Gustav. die xxix maji mdcccxxxviii h.p.m.s. p. i. Upsaliae [Uppsala] (excudebant Regiae Academiae Typographi) 1838. Oct. (*Syn. pl. cotyl. Kärna*).
*1*: 29 Mai 1838, p. [i*-iv*], [i]-iv, [1]-16.
*2*: 31 Mai 1838, p. [i-iv], 17-32. – Co-respondens Vilhelmus Moberg.
*3*: 2 Jun 1838, p. [i-ii], 33-48. – Co-respondens Olavus Robertus Sandberg.
*4*: 12 Jun 1838, p. [i-iv], [49]-62, [63-66, index].
*Copies*: H(1-3), NY, Peterson.
*Issue with general t.p.*: 1838, p. [i**-ii**], *Plantae cotyledoneae* in Paroecia ostrogothiae *Kärna*, quas secundum methodum naturalem celeberr. Friesii disposuit atque congessit. Carolus Joh. Wessén, philosophiae magister. Upsaliae (Leffler et Sebell) 1838. Oct. *Copies*: B-S, G, HH, Peterson, USDA.

**West, George Stephen** (1876-1919), British phycologist; B.A. Cambridge 1898, D.Sc. Birmingham 1908; professor of Natural Science, R. Agricultural College, Cirencester

1899-1906; lecturer in botany, Birmingham Univ. 1906-1909; Mason professor of botany ib. 1909-1919. (*G.S. West*).

HERBARIUM and TYPES: BIRM; important set at BM. – *Drawings* at BM; algological *library* at BIRM; *letters* to W.G. Farlow at FH; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 479; BB p. 321; BM 5: 2296, 8: 1417; CSP 19: 558; Desmond p. 651 (b. 20 Apr 1870, d. 7 Aug 1909); IH 1 (ed. 6): 366, (ed. 7): 345; NI 2: 273, 3: 68; Nordstedt p. 32, suppl. 16; TL-2/10.891, see F.E. Fritsch.

BIOFILE: Anon., Bot. Centralbl. 104: 464. 1907 (app. Birmingham), 111: 366. 1909 (prof. bot.); Brit. Mus. gen. cat. print. books 255: 757. 1965; Nature 103: 470-471. 1919 (obit. not.); Nat. Nov. 29: 205. 1907 (app. Birmingham), 31: 415. 1909 (prof. bot.), 42: 130. 1920 (d.); Österr. bot. Z. 57: 487. 1907 (app. Circenster), 59: 327. 1919 (prof. bot.); Science ser. 2. 1: 249. 1919 (d.); Who's who (London) 1902-1919; Who was who (London) 1916-1928: 1110.
Druce, G.C., Bot. Soc. Exch. Club Brit. Isl. 5(5): 630-633. 1920 (obit., list publ.).
Grove, W.B., J. Bot. 57: 283-284. 1919 (obit.); Bull. misc. inf. Kew 1919: 314 (obit. not.).
Lowden, G.S., Taxon, Index pers. names vols. 1-30. 1984.
Newton, L.M., Phycol. Bull. 1: 19. 1952 (herb. BIRM).
Prescott, G.W., Bibl. Desmid. univ. 539-540. 1984.
Rendle, A.B., J. Quekett micr. Club ser. 2. 14. 104-105. 1919 (obit.).

COMPOSITE WORKS: See under W. West, Comp. Works 3, 4 and nos. 17.229-17.230, 17.235-17.239.

EPONYMY: *Westiella* Borzi (1907, also honors W. West (*q.v.*)) and the derived generic name *Westiellopsis* Janet (1941).

**17.211.** *The alga-flora of Cambridgeshire* ... Reprinted from the "Journal of Botany", London (West, Newman & Co.) 1899. Oct.
*Publ.*: Feb-Jul 1899 (in journal), cover-t.p., p. [i], [1]-47, *pl. 394-396*. *Copies*: FH, H. – Reprinted and to be cited from J. Bot. 37: 49-58. Feb, 106-116. Mar, 216-225. Mai, 262-268. Jun, 291-299. Jul 1899.

**17.212.** *On some algae from hot springs* ... Reprinted from the "Journal of Botany", ... 1902. Oct.
*Publ.*: Jul 1902, cover-t.p., p. 241-148, *pl. 439*. *Copy*: B. – Reprinted and to be cited from J. Bot. 40: 241-248, *pl. 439*. 1902.

**17.213.** *A treatise on the British freshwater algae* ... Cambridge (at the University Press) 1904. Oct. (*Treat. Brit. freshw. alg.*).
*Ed.* [*1*]: Jul-Aug 1904 (p. vii: 7 Apr 1907; Nat. Nov. Oct(2) 1904; Bot. Zeit. 1 Dec 1904), p. [i-ii], frontisp., [iii]-xv, err. slip, [1]-372. *Copies*: B, FH, H, LIV, MICH, NY, PH, USDA.
*Ed. 2*: Apr-Jun 1927 (p. vii: 6 Mar 1926; Nat. Nov. Jul 1927), p. [i-ii], frontisp., [iii]-xvii ["xv"], [xviii], [1]-534. *Copies*: B, FH, G, H, LIV, MICH, MO, NY, PH; IDC 7139. – New and revised edition in great part rewritten by F. [Felix] E. [Eugen] Fritsch [1879-1954]. *A treatise ... algae* in which are included all the pigmented protophyta hitherto found in British freshwaters ... Cambridge (id.) 1927. Oct.
*Facsimile ed.*: 1968, p. [i*-ii*], [i-ii], frontisp., [iii]-xvii, [xxviii], [1]-534. *Copies*: FAS, NY. – Bibliotheca phycologica Band 3, Wheldon & Wesley, J. Cramer and Stecher-Hafner Service Agency Inc. ISBN 3-7682-0532-0.
*Ref.*: Fritsch, F.E., J. Bot. 42: 387-388. Dec 1904 (rev.).
Griffiths, B.M., J. Bot. 65: 204-206. Jul 1927.

**17.214.** *Report on the freshwater algae*, including phytoplankton, of the *Third Tanganyika Expedition*, conducted by Dr. W.A. Cunnington, 1904-1905, ... London (sold at the Society's Apartments, ...) 1907. Oct.

*Publ.*: 14 Oct 1907, cover-t.p., p. 81-197, *pl. 2-10* (uncol.). *Copies*: B, G, M, NY. – Issued and to be cited as J. Linn. Soc. 38(264): 81-197. *pl. 2-10.* 1907.

**17.215.** *The algae of the Yan Yean Reservoir*; [Victoria], a biological and oecological study ... Extracted from the Linnean Society's Journal-Botany ... 1909. Oct.
*Publ.*: 11 Mar 1909, cover-t.p., p. [1]-88, *pl. 1-6* (uncol.). *Copies*: G, M, NY. – Reprinted and to be cited from J. Linn. Soc., Bot. 39(1): [1]-88. 1909.

**17.216.** *A further contribution to a comparative study of the* dominant phanerogamic and higher cryptogamic *flora* of aquatic habit *in Scottish lakes* ... Edinburgh (published by Robert Grant, ...) 1910. Oct.
*Publ.*: 12 Jan 1910, cover-t.p., p. 65-181, [182], *pl. 1-62. Copy*: NY. – "Issued separately" as Proc. R. Soc. Edinburgh 30(2): 65-182. 1910. – First Contributions ib. 35(11): 967-1023. 1905.

**17.217.** *Algological notes* ... Reprinted from the "Journal of Botany", ... 1911-1916. Oct.
*1-4*: Mar 1911, cover-t.p., p. [82]-89. – Reprinted and to be cited from J. Bot. 49: 82-89. 1911.
*5-9*: Mar 1912, cover-t.p., p. [79]-89. – Id. 50: 79-89. 1912.
*14-17*: Mar 1915, cover-t.p., p. 73-84. – Id. 53: 73-84. 1915.
*18-23*: Jan 1916, cover-t.p., p. [1]-10. – Id. 54: 1-10. 1916.
*Copies*: B, G, US.

**17.218.** *A contribution to our knowledge of the freshwater algae of Columbia* ... [Neuchatel (Attinger Frères, ...) 1914]. Oct.
*Publ.*: 1914, p. [1013]-1050, *pl. 21-22. Copies*: NY, US, USGS. – Reprinted and to be cited from O. Fuhrmann & E. Mayor, *Voy. expl. Sci. Colombie*, Mém. Soc. neuch. Sci. nat. 5: [1013]-1050. 1914, TL-2/5750.

**17.219.** *A contribution to the cytology and life-history of Zygnema ericetorum* (Kütz.) Hansg., with some remarks on the "genus" Zygogonium ... Reprinted from the New Phytologist ... 1915. Oct.
*Publ.*: Jun-Jul 1915 (in journal), p. [194]-205. *Copy*: B. – Reprinted and to be cited from New Phytol. 14 (6-7): [194]-205. 1915.

**17.220.** *Algae* volume 1 Myxophyceae, Peridineae, Bacillariaceae, Chlorophyceae, together with a brief summary of the occurrence and distribution of freshwater algae ... Cambridge (at the University Press) 1916. Oct. †. (*Algae*).
*Publ.*: 1916 (p. [v]: 1 Aug 1916; Nat. Nov. Jan (1, 2) 1917), p. [i]-viii, [ix-x], [1]-475. *Copies*: B-S, BR, FH, G, MICH, MO, NY, PH, USDA.
*Ref.*: Fritsch, F.E., J. Bot. 55: 83-85. 1917 (rev.).

**West, Hans** (1758-1811), Danish botanist, art collector, philologist and administrator; studied modern languages at Odense; headmaster at Christiansted on St. Croix 1788-1800, later public notary; consul in the Netherlands 1802-1805; collected on St. Croix, St. Thomas, Vieques (Crab Island), Puertorico and Martinique. (*H. West*).

HERBARIUM and TYPES: C (sent to M. Vahl). – Further material at B (partly destr.), BM, G-DC (p.p. orig.), L, LE, S. – The major part of the original collection is at C; however, a number of specimens (types?) is at G through M.N. Puerari (now in G-DC).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 479; BM 5: 2296; Dawson p. 865; Hortus 3: 1207; PR 10198, ed. 1: 11178; Rehder 1: 335; TL-1/1407; Tucker 1: 741; Zander ed. 10, p. 732, ed. 11, p. 835.

BIOFILE: Anon., Cat. gen. livr. impr. Bibl. natl. 221: 834-835. 1974.
Brünniche, E.H., Dansk biogr. leks. 25: 383-384. 1943 (emphasis on art collecting; b. 6 Jul 1758, d. 6 Jul 1811; further biogr. refs.).
Christensen, C., Dansk. Bot. Hist. 2: 117. 1924 (bibl.).
Horneman, J.W., Nat. Tidskr. 1: 579. 1837.

Kiaerskou, H., Bot. Tidsskr. 23: 45-46. 1900.
Millspaugh, C.F., Publ. Field Columb. Mus. 68. Bot. 1: 450-451. 1902.
Rydberg, P.A., August. Coll. libr. Publ. 5: 19. 1907.
Urban, I., Symb. Ant. 21: 173, 174-176. 1898, 3: 140. 1902.
Warming, E., Bot. Tidsskr. 12: 82. 1880.

EPONYMY: *Westia* M. Vahl (1810).

**17.221.** *Bidrag til Beskrivelse over St^e Croix* med en kort Udsigst over St. Thomas, St. Jean, Tortola, Spanishtown og Crabeneiland ... Kiöbenhavn (tryckt hos Friderik Wilhelm Thiele) 1793. Oct. (*Bidr. Beskr. St^e Croix*).
*Publ.*: 1793 (p. v: 25 Apr 1793), p. [i-viii], [1]-363, [364, err.], 2 charts. *Copies*: B-S, HH, NSUB; IDC 5807. – Flora treated on p. 259-336 (tearsheet copy p. [i, handwritten t.p.], p. 259-336 at G is M.N. Puerari's copy, with annotations). See Urban (1898): 174-176 for details on the standing of names by West and names to be attributed to Vahl; the publication of a number of new taxa precedes publication by M. Vahl in the *Symbolae* part 3. See also M. Vahl, *Eclogae*, preface (1797). – H. Eggers *Fl. St. Croix* (1879, TL-2/1631) made an attempt to elucidate and name dubious [fide Urban] species described by West.
*German transl.*: 1794, p. [i-iv], [1]-274. *Copies*: HH, LC, NSUB, NY. – *Beyträge zur Beschreibung von St. Croix.* Nebst einer kurzen Uebersicht der benachbarten Inseln, St. Thomas, St. Jean, Tortola, Spanishtown and Krabbeneyland ... aus dem Dänischen mit Verbesserungen und Vermehrungen des Verfassers [sic]. Kopenhagen (bey C.G. Prost, ...) 1794. Oct. – List of plants on p. 194-242.

**West, Tuffen** (1823-1891), British botanical artist; studied at York; settled in London as illustrator of "microscope books". (*T. West*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 479; BB p. 321; BM 5: 2296; CSP 6: 328, 8: 1222; Desmond p. 651 (d. 19 Mar 1891); De Toni 1: cxxx, 2: cxxi; NI 943, 1868, 2163; Nordstedt p. 32; Rehder 2: 768; TL-1/2921; TL-2/1504, 12.305.

BIOFILE: Anon., Bot. Not. 1892: 47 (d.); Brit. Mus. gen. cat. print. books 255: 796. 1955; J. Bot. 29: 224. 1891 (obit. not.).
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 207.16, 328.6. 1980.

COMPOSITE WORKS: (1) Illustrated William Smith (1808-1857), *A synopsis of the British Diatomaceae* 1853-1856, TL-2/12.305.
(2) Illustrated A.S. Donkin, *The natural history of the British Diatomaceae* 1870-1873, TL-2/1504.
(3) Illustrated (4 pl.) J.E. Eliot, *The Quinology of the East Indian plantations* 1869-1876, see NI 943.
(4) Illustrated William Crawford Williamson, *On the recent Foraminifera of Great Britain* 1858, see NI 2163.
(5) Illustrated *Common objects of the microscope*, London 1864, iv, 188 p., *12 pl.* (col.).
(6) Illustrated, J. Hogg, *The microscope*: its history ... London 1867.

NOTE: New taxa in *Remarks on some Diatomaceae* new or imperfectly described and a new Desmid, Trans. R. Micr. Soc. ser. 2. 8: 147-153. *pl.* 7. 1860.

**17.222.** *Half-hours with the microscope*; being a popular guide to the use of the microscope as a means of amusement and instruction. Illustrated from nature, by Tuffen West. London (Robert Hardwicke, ...) [1859]. Oct. (*Half-hours microsc.*).
*Publ.*: 1859, p. [i]-xv, [xvi], [1]-84, *pl. 1-8. Copy*: PH. – Later edition by E. Lancaster 1863, n.v.

**West, William** (1848-1914), British phycologist; studied pharmacy, registered 1870;

from 1874-1886 practicing pharmacist in Bradford; lecturer on botany and materia medica, Technical College Bradford 1886. (*W. West*).

HERBARIUM and TYPES: BIRM (general herb.; ferns); important set of algae at BM; further material at CGE, DBN, E (bryo; vasc. pl.), LIV, MANCH, NY, OXF. – *Letters* to W.G. Farlow at FH; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 479 (b. 22 Feb 1848, d. 14 Mai 1914); BB p. 322; BJI 2: 189; BL 2: 234, 731; BM 5: 2296; Bossert p. 432; CSP 11: 786, 12: 177, 19: 559; De Toni 1: cxxx, 5: lviii-lix; GR p. 420; IH 1 (ed. 6): 366, (ed. 7): 345; LS 28716-28718; NAF ser. 2. 6: 79-80; NI 131 and see indexes; Nordstedt p. 31, 32, suppl. p. 16; TL-2/10.891.

BIOFILE: Anon., Hedwigia 56: (147). 1915 (d.); Index Amer. bot. lit. 1886-1966. 4: 502. 1969; Naturalist 1914: 227-230, 257-260. 1914 (obit., portr.); Nature 93: 327-328. 1919 (obit. not.); Österr. bot. Z. 64: 368. 1914 (d.); Science ser. 2. 39: 867. 1914.
Dolezal, H., Friedrich Welwitsch 146, 154, 193-194. 1974.
Hawksworth, D.L. & M.R.D. Seaward, Lichenol. Brit. Isl. 169, 199. 1977 (lichens at DBN, E, LIV).
Kent, D.H., Brit. herb. 85. 1957 (herb.).
Kent, D.H. & D.E. Allen, Brit. Irish herb. 271. 1984 (herb.).
Lees, F.A. & G.D. Druce, Bot. Soc. Exch. Club Brit. Isl. 4(1): 53-56. 1915 (obit.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 786. 1985.
Praeger, R.L., Some Irish Naturalists 176. 1949.
Prescott, G.W., Bibl. Desmid. univ. 540-544. 1984 (bibl.).
Roebuck, W.D., J. Bot. 52: 161-164. 1919 (obit., portr.); Naturalist 1914: 227-230; Proc. Linn. Soc. 126: 65-67. 1914.
Shaw, G.A., Naturalist 924: 4-5. 1973.
Urban, Symb. ant. 1: 176. 1898, 3: 13. 1902.
VanLandingham, S., Cat. Diat. 4: 2382. 1971, 6: 3601. 1978, 7: 4238-4239. 1978.
Wittrock, V.B., Acta Horti Berg. 3(2): 99, 187, *pl. 35, 37*. 1909.

NOTE: Father of G.S. West (1876-1919), see above, and Wiliam West (1875-1901, studied at Cambridge (see J. Bot. 39: 353. 1901); died in India).

COMPOSITE WORKS: (1) *Freshwater algae, in* F.A. Lees [1847-1921], *Fl. West. Yorkshire* 1888, p. 745-777. – Provides also records of bryophytes. – Flora issued also as Trans. Yorkshire Natural. Union, Bot. Ser. vol. 2. 1888, TL-2/4296.
(2) *Freshwater algae, in* W.P. Hiern et al., *Cat. afr. pl.* 2(2): 329-381. Mar 1901. – See TL-2/2747.
(3) With G.S. West, *Freshwater algae, in* Rep. Sci. Invest. Brit. Antarct. Exp. 1907-1909, 1(7): 263-298, *3 pl.* 1911.
(4) With G.S. West *Chlorophyceae, in* Johs. Schmidt, *Flora of Koh Chang* 4: [73]-102. Aug 1901, Bot. Tidsskr. 24: 157-186, *pl. 2-4*. 1901, see TL-2/10.891.
(5) *Freshwater algae* with a supplement of marine diatoms, *in* Clare Island Survey, Proc. R. Irish Acad. 31(16): 1-62, *pl. 1-2*. 1912.
(6) *Freshwater algae, in* L.S. Gibbs, *Contr. fl. Mount Kinabalu*, J. Linn. Soc., Bot. 42: 216-239. 14 Jul 1914.

EPONYMY: *Westella* De Wildeman (1897); *Westiella* Borzi (1907, also honors G.S. West (*q.v.*)), and the derived generic name *Westiellopsis* Janet (1941).

**17.223.** *The freshwater algae of Maine* ... Reprinted from the "Journal of Botany" ... 1889. Oct.
*Publ.*: Jul 1889, p. [1]-3, *pl. 291*. *Copy*: B. – Reprinted and to be cited from J. Bot. 27: 205-207. *pl. 291*. 1889. – *The desmids of Maine*, J. Bot. 26: 339-340. 1889.

**17.224.** *The fresh-water algae of North Yorkshire* ... [J. Bot. 1889]. Oct.
*Publ.*: Oct 1889, p. [1]-10, *pl. 291*. *Copies*: FH, G. – Reprinted and to be cited from J. Bot. 27: 289-298, *pl. 291*. 1889.

**17.225.** *Contribution to the freshwater algae of North Wales* ... Journal of the Royal Microscopical Society ... 1890. Oct.
*Publ.*: Jun 1890, p. [277]-306. *pl. 5-6. Copy*: G. – Reprinted and to be cited from J.R. microsc. Soc. 6: 277-306, *pl. 5-6.* 1890.

**17.226.** *The freshwater algae of Maine* ... Preprinted from the "Journal of Botany" ... 1891. Oct.
*Publ.*: Dec 1891, p. [1]-5, *pl. 315. Copy*: B. – Reprinted and to be cited from J. Bot. 29: 353-357. *pl. 315.* 1891.

**17.227.** *A contribution to the freshwater algae of West Ireland* ... Linn. Journ. – Botany [1892]. Oct.
*Publ.*: 26 Apr 1892 (read 5 Dec 1891; date of part 199-200 publ.; Nat. Nov. Mai 1892), p. 103-216, *pl. 18-24. Copies*: FH, G, H. – Reprinted and to be cited from J. Linn. Soc. Bot. 29 (199-200): 103-216. *pl. 18-24.* 1892.

**17.228.** *Algae of the English Lake District* ... Journal of the Royal microscopical Society ... 1892.
*Publ.*: Dec 1892 (reprint so dated), p. [713]-748, *pl. 9-10. Copy*: G. – Reprinted and to be cited from J.R. microsc. Soc. 8: [713]-748, *pl. 9-10.* 1892.

**17.229.** *New British freshwater algae* ... Jounal of the Royal microscopical Society ... 1894. Oct.
*Assisted by*: George Stephen West (1876-1919).
*Publ.*: Feb 1894, p. [1]-17, *pl. 1-2. Copy*: G. – Reprinted and to be cited from J.R. microsc. Soc. 1894: [1]-17, *pl. 1-2.*

**17.230.** *A contribution to our knowledge of the freshwater algae of Madagascar* ... [Trans. Linn. Soc. London, Bot. 1895]. Qu.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: Oct 1895, cover-t.p., p. 41-90, *pl. 5-9* (uncol.). *Copies*: B, FH, G, M. – Issued and to be cited as Trans. Linn. Soc., Bot. 5(2): 41-90, *pl. 5-9.* 1895.

**17.231.** *On some new and interesting freshwater algae* ... Journal of the Royal microscopical Society ... 1896. Oct.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: Apr 1896, p. [149]-165, *pl. 3-4. Copy*: G. – Reprinted and to be cited from J.R. microsc. Soc. 1896: [149]-165, *pl. 3-4. 1896.*

**17.232.** *Notes on some recently published Desmidieae* ... Reprinted from the "Journal of Botany" ... 1896. Oct.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: Aug 1896, p. [1]-3. *Copy*: B. – Reprinted and to be cited from J. Bot. 34: 336-338. 1896.

**17.233.** *On some North American Desmidieae* ... [Trans. Linn. Soc., Bot. 1896]. Qu.
*Publ.*: Dec 1896 (Nat. Nov. Jan(1) 1897), cover-t.p., p. [229]-274, *pl. 12-18* (uncol.). *Copies*: FH, M. – Issued and to be cited as Trans. Linn. Soc., Bot. ser. 2. 5(5): 229-274, *pl. 12-18.* 1896.

**17.234.** *Welwitsch's African freshwater algae* ... Journal of Botany ... 1897. Oct.
*Publ.*: Jan-Aug 1897, p. 1-78, *pl. 365-370. Copy*: M. – Reprinted and to be cited from J. Bot. 35: 1-7. Jan, 33-42. Feb, 77-89. Mar, 113-122. Apr, 172-183. Mai, 235-243. Jun, 264-272. Jul, 297-304, *pl. 365-370.* Aug 1897.

**17.235.** *The alga-flora of Yorkshire*: a complete account of the freshwater algae of the county, with many notes on their affinities and distribution ... Leeds (published for the Yorkshire Naturalist's Union ...) [1900-] 1901. Oct.
*Co-author*: George Stephen West (1876-1919).

*Publ.*: Sep 1900-Jul 1901 in Trans. Yorkshire Natural. Union vol. 5, 1901, in 4 parts. *Copies*: B, FH, H, LC, LIV, PH.
[*1*]: Sep 1900, cover-t.p., p. [5]-52. – In 5(22): 5-52. 1900.
[*2*]: Dec 1900, cover-t.p., p. 53-100. – In 5(23): 53-100. 1900.
[*3*]: Jul 1901, cover-t.p., p. 101-164. – In 5(25): 101-164. 1901.
[*4*]: Jul 1901, cover-t.p., p. 165-239, [1]-4. – In 5(27): 165-239, 1-4. 1901.
*T.p. consolidated reprint*: 1901, p. [3].
*Copies*: B, G, LIV.

**17.236.** *A contribution to the freshwater algae of Ceylon* ... London (printed for the Linnean Society ...) 1902. Oct.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: Mar 1902, cover-t.p., p. 123-215, *pl. 17-22*, (uncol.). *Copies*: B, FH, G, H, M. – Issued and to be cited from Trans. Linn. Soc. London ser. 2. Bot. 6(3): 123-215, *pl. 17-22*. 1902.

**17.237.** *A contribution to the freshwater algae of the North of Ireland* ... Dublin (published at the Academy House, ...) 1902. Qu.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: Aug 1902, p. [i], [1]-100, *pl. 1-3*. *Copies*: FH, H, PH; IDC 6421. – Issued and to be cited as Trans. R. Irish Acad. 33, sect. B(1): [i], [1]-100, *pl. 1-3*.

**17.238.** *A monograph of the British Desmidiaceae* ... London (printed for the Ray Society) 1904-1923. 5 vols. Oct. (*Monogr. Brit. Desmid.*).
*Authorship*: vols. 1-4 by W. West and George Stephen West (1876-1919), vol. 5 by Nellie Carter.
*Publ.*: 5 vols., 1904-1913. *Copies*: B, BR, FH, H, M, MO, US; IDC 7665 (vols. 1-4).
*1*: Jun-Jul 1904 (p. x: 31 Mai 1904; Bot. Centralbl. 2 Aug 1904; Hedwigia 29 Oct 1904; NY rd. Oct 1904; J. Bot. rev. Dec 1904; Nat. Nov. Nov(2) 1904), p. [i]-xxxvi, [1]-224, *pl. 1-32* (p.p. col.), with text.
*2*: Nov-Dec 1905 (Hedwigia 11 Jun 1946; NY rd. Jan 1906; Bot. Centralbl. 6 Mar 1906; Nat. Nov. Mar(1) 1906), p. [i]-x, [1]-206, *pl. 33-64* id.
*3*: Nov-Dec 1908 (Bot. Centralbl. 23 Feb and 6 Jul 1909; Bot. Zeit. 16 Aug 1909; Bot. Centralbl. 6 Oct 1909; J. Bot. Rev. Apr 1909; Nat. Nov. Jan(2) 1909), p. [i]-xv, [1]-274, *pl. 65-95* (id.).
*4*: Mar-Apr 1912 (ÖbZ for Apr 1912; Bot. Centralbl. 6 Aug 1912; Hedwigia rev. 10 Jul 1912; J. Bot. rev. Mai 1912; Nat. Nov. Mai(1) 1912), p. [i]-xiv, [1]-194, *pl. 96-128* (id.).
*5*: 1923 (t.p.) or 1924 (p. vii: Aug 1922; J. Bot. rev. Nov 1924; ÖbZ for Oct-Dec 1924; Nat. Nov. 1924), p. [i]-xxi, [1]-300, [301-302], *pl. 129-167*, id.
*Facsimile ed.* 1971, Johnson Reprint Corporation, New York, London, 1971. *Copy*: BR. – As original, t.p.'s have four lines added giving the Johnson imprint.

**17.239.** *Fresh-water algae from Burma*, including a few from Bengal and Madras ... Calcutta (printed at the Bengal Secretariat Press) 1907. Fol.
*Co-author*: George Stephen West (1876-1919).
*Publ.*: 1907, p. [i-ix], [175]-260, *pl. 10-16* (uncol.). *Copies*: BR, FH, MO. – Issued and to be cited as Ann. R. Bot. Gard. Calcutta 6(2): [175]-260. *pl. 10-16. 1907.*

**Westendorp, Gerard Daniel** (1813-1869), Dutch-born Belgian physician and botanist; studied medicine in Brussels; examination surgery and obstetrics 1833; some time student physician at Antwerp; naturalized Belgian citizen ca. 1836, subsequently assistant army and naval physician; regular physician with the Belgian army at Gent and other locations 1846, from 1858 definitely stationed at Termende; Leopold order 1866; active amateur botanist from 1834 onward, working mainly on cryptogams from 1835. (*Westend.*).

HERBARIUM and TYPES: BR. – *Exsiccatae*: (1) *Herbier cryptogamique* (with A.C.F. Wallays), fasc. 1-28, nos. 1-1400, 1845-1859 (for further dates and text see below). Sets at BM, BPI, BR, FH, K, LG, M, NY, PAD, PC, PH, Stevenson, Z.

(2) *Polypiers flexibles de la Belgique.* Livr. 1 (all published), 32 sheets with specimens. Courtrai [Kortrijk] 1853, n.v. (fide Nat. Nov.).
*Note*: The original Westendorp herbarium in BR contained 12 vols. with printed t.p.'s *Flore cryptogamique universelle*, ou collection des cryptogames et agames qui composent l'herbier particulier de G.D. Westendorp ... Courtrai [Kortrijk] (Imprimerie de Charles Jaspin, ...) 1849. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 480 (b. 8 Mar 1813, d. 31 Jan 1868); BM 5: 2298; CSP 6: 329, 8: 1222; De Toni 1: cxxx, cxxxix, 2: cxxi-cxxii, cxxv; GR cat. p. 73; Hawksworth p. 186; IH 1 (ed. 6): 366, (ed. 7): 345; Jackson p. 131, 325; Kelly p. 240; LS 28720-28730; PR 10200; SBC p. 134; Stevenson p. 1262; TL-2/679, 1155, 4109, 15.906, see C.A.J.A. Oudemans; Tucker 1: 741.

BIOFILE: Anon., Bull. Soc. Bot. Belg. 6: 452. 1867 (d.), 7: 394-395. 1868 (sale libary).
Crépin, F., Man. fl. Belgique lxviii. 1860; Guide bot. Belgique 252, 253, 486, 487. 1878.
Evens, F.M.J.C., Gesch. algol. Belgie 201-202. 1944.
Piré, L., Bull. Soc. bot. Belgique 9: 465-472. 1870 (obit. bibl., b. 8 Mar 1813, d. 31 Jan 1868).
Roumeguère, C., ed., Rev. mycol. 7: 141-142. 1885.
Sayre, G., Mem. New York Bot. Gard. 19(1): 56. 1969 (exsicc.); Bryologist 80: 520. 1977 (coll.)

**17.240.** *Herbier cryptogamique* ou collection des plantes cryptogames et agames qui croissent en Belgique, ... 1re fascicule Bruges [Brugge] (on s'abonne chez les auteurs ainsi que chez F. de Pachtere ...) 1845. Qu. (*Herb. crypt.*).
*Co-author*: Antoine Charles François Wallays 1812-1881; veterinarian at Kortrijk (Courtrai).
*Publ.*: 1845-1859, 28 fascicles consisting of text and specimens. *Copies*: BM, BR, G, LD, LG, M, NY, Stevenson.
*Prospectus*: s.d. 1844 or 1845, p. [i].
*1*: 15 Mar 1845, p. [1, 3], specimens *1-50*.
*2*: 1845, p. [1-4], sp. *51-100*.
*3*: 1845, p. [1-4], sp. *101-150*.
*4*: 1848, p. [1-4], sp. *151-200*.
*5*: 1846, p. [1-4], sp. *201-250*.
*6*: 1847, p. [1-4], sp. *251-300*. – *Herbier ... collection de* [from 6-28; not "des"] *plantes* ... Courtrai [Kortrijk] (Imprimerie de Ch. Jaspin ...). This imprint on fasc. 6-10 + notes.
*7*: 1847, p. [1-4], sp. *301-350*.
*8*: 1849, p. [1, 3], sp. *351-400*.
*9*: 1849, p. [1, 3], sp. *401-450*.
*10*: 1850, p. [1, 3], sp. *451-500*.
*Notes*, additions et corrections; tableau méthodique et table générale des genres et espèces, publiés dans les fascicules i à x, 1850 (p. 4: 2 Aug 1850), p. [1]-20.
*11-12*: 1851, p. [1-8], sp. *501-600*. – Courtrai [Kortrijk] (Typographie de Beyaert-Feys,...). This imprint on fasc. 11-20.
*13-14*: 1852, p. [1-8], sp. *601-700*.
*15-16*: 1853, p. [1-8], sp. *701-800*. Fasc. 15-28 lack the words "et agames" in the title.
*17-18*: 1854, p. [1-8], sp. *801-900*.
*19-20*: 1854, p. [1]-7 (incl. *Notes*, additions et corrections aux fascicules 1 à 20), sp. *901-1000*.
*21-22*: 1855, p. [1]-8, sp. *1001-1100*. – Gand [Gent] (Imprimerie et lithographie de I.S. van Doosselaere, ...]. This imprint only on fasc. 21-22.
*23-24*: 1857, p. [1]-7, sp. *1101-1200*. Courtrai [Kortrijk] (Typographie d'Eugène Beyart, ...). This imprint on fasc. 23-28.
*25-26*: 1859, p. [1]-7, sp. *1201-1300*.
*27*: 1859, p. [1]-7, sp. *1301-1350*.
*28*: 1859, p. [1]-6. sp. *1351-1400*.
*Index to lichens*: BR has a mss. Table alphabétique des lichens ... Herbier cryptogamique.

**17.241.** *Les cryptogames* classés d'après leurs stations naturelles ... Gand [Gent] (Imprimerie de I.S. Van Doosselaere) 1854. Oct. (*Cryptogames*).
*Publ.*: 1854, p. [i*-iii*], [i]-xvi, [1]-301. *Copies*: G, MO, NY.
*Issue with 1er supplément*: 1865 (Hedwigia Aug 1865), p. [i*-iii*], [i]-xvi, [1]-300, suppl.: [301]-405. *Copies*: BR, G. – Gand (id.) 1854 et 1865.
*Issue with 1er supplement*: included but with t.p. of 1854: BR.

**17.242.** *Description de quelques cryptogames* inédites ou nouvelles pour la flore des deux Flandres ... Académie Royale de Bruxelles ... [1845].
*Publ.*: 1845, p. [1]-20. *Copies*: FH, Stevenson. – Reprinted and to be cited from Bull. Acad. R. Sci., Bruxelles 12(9): 239-256. 1845. – Counts as no. 1 in the series *Notices sur quelques cryptogames*.

**17.243.** *Notices sur quelques cryptogames* inédites ou nouvelles pour la flore belge ... Bruxelles (chez Hayez, ...) 1851. Oct.
*Publ.*: 1851 (read 8 Nov 1851), cover-t.p., p. [1]-40, *1 pl.* (includes 6 p. report on this publ. by "M. Kickx"). *Copies*: FH, G, Stevenson. – Reprinted and to be cited from Bull. Acad. R. Sci., Bruxelles 18(7, 10): 384-416, *1 pl.* 1851. – Counts as no. 2 in the series *Notices sur quelques cryptogames* ...

**17.244.** *Nouvelle notice sur quelques cryptogames* récemment découvertes en Belgique ... Académie Royale de Belgique ... [1852]. Oct.
*Publ.*: 1852 (read 22 Sep 1852), p. [1]-29, *1 pl.* (uncol.). *Copies*: FH, G, Stevenson. – Reprint includes report by "M. Kickx". Reprinted and to be cited from Bull. Acad. R. Belgique 19(9): 110-132. 1852. – Counts as no. 3 in the series *Notices sur quelques cryptogames*.

**17.245.** *Quatrième notice sur quelques cryptogames* récemment découvertes en Belgique ... [Extrait du tome xxi, n° 8 du Bulletin de l'Académie ... Belgique ... 1854]. Oct.
*Publ.*: 1854 (read 8 Aug 1854), p. [1]-21, *1 pl.* (uncol.). *Copies*: FH, G. – Reprinted and to be cited from Bull. Acad. R. Sci., Bruxelles 21(8): 229-246, *1 pl.* – Reprint includes report by "M. Kickx".

**17.246.** *Cinquième notice sur quelques Hypoxylées* inédites ou nouvelles pour la flore de la Belgique ... [Extrait des Bulletins de l'Académie royale de Belgique ... 1857]. Oct.
*Publ.*: 1857 (read 4 Jul 1857), p. [1]-36, *1 pl.* (uncol.). *Copies*: FH, G. – Reprinted and to be cited from Bull. Acad. R. Sci., Bruxelles ser. 2. 2(7): 554-579, *1 pl.* 1857 (reprint includes report by "M. Kickx").

**16.247.** *Sixième notice sur quelques cryptogames* inédites ou nouvelles pour la flore belge ... [Extrait des Bulletins de l'Académie royale de Belgique ... 1859]. Oct.
*Publ.*: 1859 p. [1]-24, *1pl.* (uncol.). *Copies*: FH, G. – Reprinted and to be cited from Bull. Acad. R. Sci., Belgique ser. 2. 7: 77-94, *1 pl.* 1859. – Reprint includes report by "M. Kickx".

**17.248.** *Septième notice sur quelques cryptogames* inédites ou nouvelles pour la flore belge ... [Extrait des Bulletins de l'Académie royale de Belgique ... 1860, i.e. 1861]. Oct.
*Publ.*: 1861 (read 1 Jun 1861), p. [1]-21, *1 pl.* (uncol.). *Copies*: FH, G, Stevenson. – Reprinted and to be cited from Bull. Acad. R. Sci., Belgique ser. 2. 11(6): 644-660. 1860.

**17.249.** [Huitième] *Notice sur quelques espèces nouvelles* ou inédites pour la flore belge; ... [Extrait des Bulletins de la Société royale de Botanique de Belgique ... 1863]. Oct.
*Publ.*: 1863 (read 6 Dec 1863), p. [1]-16, *pl. 2* (uncol.). *Copies*: FH, G. – Reprinted and to be cited from Bull. Soc. Bot. Belg. 3: 240-254. 1863.

**17.250.** 9me *Notice sur une excursion cryptogamique* à Blankenberghe, et sur quelques cryptogames nouvelles ou inédites pour la flore belge ... Société Royale de Botanique de Belgique ... 1866. Oct.

*Publ.*: 1866 (read 6 Mai 1866; rev. Hedwigia Nov 1866), p. [1]-16, *1 pl.* (uncol.). *Copies*: FH, G. – Reprinted and to be cited from Bull. Soc. Bot. Belg. 5: 30-45, *1 pl.* 1866.

**17.251.** *Prodromus florae batavae.* Volumen II. Pars IV. (*Fungi*). (Sumptibus Societatis apud Jac. Hazenberg, Cornelii Fil. 1866. Oct. (*Prodr. fl. bat., Fung.*).
*Authorship*: For the other volumes in this series see TL-2/679 (err. "Werkendorp"). Westendorp was the author for the lower fungi in 2(4). 1866.
*Publ.*: Nov-Dec 1866 (p. [v]: Aug 1866; KNAW rd. Dec 1866), p. [i]-x, [1]-191. *Copies*: BR, FH, G, L.

**Wester, Peter Jansen** [until 1897: Peter Jansen] (1877-1931), Swedish agricultural botanist; educated at Gefleborgs Läns Folkhögskola, Bollnäs, Sweden; emigrated to the United States 1897; privately employed in various horticultural positions 1897-1903; special agent Bureau of Plant Industry, USDA, Miami, Florida and Washington 1904-1910; with the Philippine Government Bureau of Agriculture in various functions 1911-1925, 1927-1931. (*Wester*).

HERBARIUM and TYPES: Some material in A.

NOTE: After 1897 sometimes calling himself also Peter Johnson Wester.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 480 (b. 23 Sep 1877, d. 18 Aug 1931); BL 1: 123, 323; Hirsch p. 321; Langman p. 719; Lenley p. 431; LS 41838; SK 4: cxxxiii; Tucker 3: 331.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 503. 1969.
J.Q.D. et al., Philipp. J. Agr. 2(3): 257-275. 1931 (obit., bibl.).
Merrill, E.D., Chron. bot. 14(5/6): 295, 368. 1954.

**17.252.** *A contribution to the history and vernacular nomenclature of the cultivated Anonas* ... The Philippine Journal of Science, C. Botany ... 1912. Oct.
*Publ.*: Jun 1912, cover-t.p., p. 109-122, [123], *6 pl. Copy*: NY. – Reprinted and to be cited fom Philipp. J. Sci., C. Bot. 7(2): 190-122, [123]. 1912.

**17.253.** *The food plants of the Philippines* ... third revised edition. Manila (Bureau of printing) 1924. Oct. (*Food pl. Philippines*).
*Publ.*: 31 Dec 1924 (p. iv), p. [i]-x, [1]-236, *pl. 1-67. Copies*: NY, USDA. – Philipp. Bur. Agr. Bull. 39, 1924.
*Previous editions*: (1) Philipp. agr. Rev. 9: 150-250, *pl. 2-12.* 1916, (2) ib. 14: 211-384, *pl. 1-35.*

**Westerdijk, Johanna** (1883-1961), Dutch phytopathologist; studied botany at Amsterdam University with Hugo de Vries 1900-1904; with K. Goebel in München 1904-1906; Dr. phil. Zürich 1906 with H. Schinz; director of the Laboratorium Willie Commelin Scholten Amsterdam 1906-1920 and Baarn 1920-1952; professor of phytopa thology at Utrecht University 1917, idem Amsterdam 1930. (*Westerd.*).

HERBARIUM and TYPES: Unknown. – *Letters* to A.F. Blakeslee at FH; other letters at G and NY (e.g. in Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 290-291; Biol.-Dokum. 19: 9960; Hawksworth p. 186; Hirsch p. 321; JW 1: 451, 2: 204, 3: 376; Lenley p. 431; LS 40519-40520, suppl. 1085, 29801-29829; PH 567; Stevenson p. 1262; TL-2/see C.M. Berkhout.

BIOFILE: Almelo, L. v., U-Blad, Utrecht 31 Aug 1984, p. 7 (portr.)..
Anon., Bot. Centralbl. 134: 96. 1917 (app. Utrecht); Österr. bot. Z. 66: 407. 1917 (app. Utrecht); Wie is dat? 1931: 289, 1932: 364, 1935: 421.
Beverwijk, A.L., Mycopath. Mycol. appl. 17: 359-362. 1962 (obit.), Anthonie van Leeuwenhoek 28: 1-4. 1962 (obit.).
Boase, F., World biogr. L-Z: 4957-4958. 1948.

Brandenburg, E., Phytopath. Z. 3: 499. 1931.
Hassebrauk, K., Angew. Bot. 35(5-6): 219-220. 1961.
Houten, J.G. ten, Tijdschr. Pl.-Ziekt. 67: 549-553. 1961; J. gen. Microbiol. 32: 1-9. 1963.
Jaarsveld, A., Coolia 9(12): 3-8. 1962.
Kerling, L.C.P., Vakbl. Biol.41: 229-231. 1961 (obit.).
Kerling, L.C.P. et al., Vakbl. Biol. 64(5): 86-87. 1984 (portr., biogr. sketch).
Koning, H.C., Med. phytopath. Lab. W.C.S. 14: 6. 1938.
Koningsberger, V.J., Jaarb. Kon. Ned. Akad. Wet. 1961-1962.
Linskens, H., Ber. deut. bot. Ges. 77(11): 255-256. 1965.
Löhnis, M.P., Antonie van Leeuwenhoek 8. 1942 (9 p. reprint; list of theses 1917-1942); Med. Ned. Ver. Vrouw. acad. Opleid. 28: 9-11. 1962; Johanna Westerdijk, een markante persoonlijkheid s.l.n.d. [1963]. 75 p. (biogr., tributes, list of theses; b. 4 Jan 1883, d. 15 Nov 1961).
Luyk, A. van, Med. phytopath. Lab. W.C.S. 14: 43. 1938.
Nicot, J., Rev. Mycol. 27(2): 67-68. 1962.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 344. 1914.
Stolk, A.C., Trans. Brit. mycol. Soc. 38(4): 419-424. 1955 (Westerdykella ornata).
Verdoorn, F., ed., Chron. bot. 1: 27, 28. 1935, 2: 2, 7, 28, 33, 39, 46, 193, 292, 372, 408. 1936, 3: 430 [index]. 1937, 4: 183, 184, 299. 1938, 5: 85, 239. 1939, 6: 230, 231, 328. 1941, 7: 44. 1943.
Went, F.A.F.C., De Groene Amsterdammer 18 Apr 1925.
Went, F.A.F.C. et al., Vakbl. Biol. 12: 125-156. 1931 (silver jubilee; bibl. by A. v. Luijk).
Westerdijk, J., Afscheidsrede 22 Nov 1952, s.l., 15 p., portr. [1952] (autobiogr.; retirement address).

EPONYMY: *Westerdykella* [sic] Stolk (1955).

**17.254.** *Zur Regeneration der Laubmoose.* Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde vorgelegt der Hohen philosophischen Fakultät ... der Universität Zürich ... Nymegen [Nijmegen] (Typ. F.E. Macdonald) [1906]. Oct.
*Publ.*: 1906 (ÖbZ for Dec 1906; Nat. Nov. Jul(1) 1907), p. [i, iii], [1]-65, [66], *2 pl.* *Copies*: B, BR, G, M, MO, NY.

**Westerhoff, Rembertus** (1801-1874), Dutch physician and botanist; studied at Groningen University 1819-1825; Dr. med. ib. 1825; practicing physician at Warffum 1825-1874. (*Westerh.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BL 2: 431, 731; BM 5: 2298; Herder p. 395; NNBW 3: 1411-1412, 4: 1446-1447; Oudemans 2: 146; PR 10201; Rehder 1: 390; TL-2/2291, 13.249; Tucker 3: 331.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 859. 1965.
Breure, A.S.H. & J.G. de Bruijn, eds., Leven en werken J.G.S. van Breda 270, 273, 277. 1979.

COMPOSITE WORKS: With G.A. Stratingh and J.B. Tresling, *Pl. prov. Groningen* 1859, see under H.C. van Hall, TL-2/2291 and *Initia florae Groninganae* 1825, see G.A. Stratingh, TL-2/13.249.

**17.255.** Remberti Westerhoff, Warffo-Groningiani ... commentatio ad quaestionem e botania, ... in Academia Groningana, propositam: anno [1820] "Detur *accurata descriptio botanica viginti aut plurimum plantarum*, in solo Groningano sponte et simul copiose provenientium, adjecta brevi earum historia, in qua elaboranda, loci, in quo nascuntur, temporis anni, quo florent, et usus, imprimis oeconomici, ratio habeatur" [Groningae (J. Oomkens) 1822]. Qu. (*Accur. descr. bot.*).
*Publ.*: 1822, p. [1]-125. *Copies*: G, HH.

**Westerlund, Carl Agardh** (1831-1908), Swedish malacologist, botanist and high school teacher; studied at Uppsala and Lund; Dr. phil. Lund 1862; at Ronneby lägre allm. läroverk 1862-1903; "adjunkt" for natural history Lund from 1873. (*C.A. Westerl.*).

HERBARIUM and TYPES: S. – A considerable number of plants collected by Westerlund is in B (extant, herb. Ullepitsch); some further material in LD. – Diaries and notes (Bot. studies 1861; autobiogr. 1891, 1897, 1907) at Norrköpings Stadsbibliotek.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 480; Biol.-Dokum. 19: 9961-9962; BL 2: 544, 731; BM 5: 2298-2299, 8: 1419; Bossert p. 432; KR p. 755-756 (b. 12 Jan 1831, d. 28 Feb 1908); PR 10202; Rehder 1: 356, 2: 301; SIA 7073.

BIOFILE: Anon., Bot. Not. 1908: 70 (d.); Brit. Mus. gen. cat. print. books 255: 862-863. 1965; Cat. gén. livr. impr. Bibl. natl. 221: 911-913. 1974; Sv. bot. Tidskr, 2: (58). 1908 (d. 29 Feb 1908).
Lack, H.W. & D. Wagner, Willdenowia 14: 432, 433. 1984 (considerable sets at B, extant).
Lindman, S., Sv. män kvinn. 8: 293. 1955 (portr.).
Lönnberg, E., *in* Nordisk familjebok 20: 334. 1934.
Lundqvist, Å., Sv. Linésällsk. Årsskr. 1975-77: 36-43, 47, 49. 1981 (portr.).
Wittrock, V.B., Acta Horti Berg. 3(2): 76. 1903.

**17.256.** *Bidrag till kännedomen om Kalmar läns vegetation* ... Kalmar (tryckt hos Ströhm & Bröder Westin) 1852. Oct. (*Bidr. Kalmar läns veg.*).
*Publ.*: 1852, p. [1]-62 *Copies*: H, HH, LD, Peterson. – Privately distributed.

**17.257.** *Botaniska observationer* ... Malmö (Cronholmska Boktryckeriet) 1856. Oct. (*Bot. observ.*).
*Publ.*: 1856, p. [1]-23. *Copies*: LD, Peterson. – Privately distributed.

**17.258.** *Bidrag till kännedomen af Sveriges Atriplices.* Akademisk afhandling, som med vidtberömda Philosophiska Facultetens i Lund tillstånd för vinnandet af lagerkransen kommer att offentligen försvaras af Carl Agardh Westerlund, ... å auditorium n:o 1, onsdagen den 29 Maj 1861, kl. 10 f.m. Lund (tryckt uti Berlingska Boktryckeriet) 1861. Oct. (*Bidr. Sv. Atripl.*).
*Publ.*: 1-20 Mai 1861, p. [1]-62. *Copies*: HH, LD, NY.

**17.259.** *Ueber die Gattung Atriplex*, ... [Linnaea ... Berlin 1876]. Oct.
*Publ.*: Apr 1876, cover, p. [135]-176, *pl. 1-4. Copies*: B, LD. – Reprinted and to be cited from Linnaea 40(2-3): [135]-176. 1876.

**Westerlund, Carl Gustaf** (1864-1914), Swedish botanist and high school teacher; fil. lic. Uppsala 1894; teacher at Norrköpings h. läroverk from 1906; son of C.A. Westerlund. (*C.G. Westerl.*).

HERBARIUM and TYPES: S; further material at A, AK.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 480; Biol.-Dokum. 19: 9962; BL 2: 518, 524, 552, 553, 731; KR p. 756 (b. 22 Jun 1864, d. 25 Mai 1914).

BIOFILE: Anon., Hedwigia 56: (79). 1915 (d.).
Birger, S. & T. Vestergren, Sv. bot. Tidskr. 9: 383-384. 1915 (obit., bibl., portr.).

**17.260.** *Bidrag till kännedomen om Ronnebytraktens fauna och flora* ... Stockholm (Adolf Johnsons Förlag) [1890]. Oct. (*Bidr. Ronnebytrakt. fauna fl.*).
*Publ.*: 1890 (p. 4: 12 Apr 1890), p. [1]-173. *Copies*: Almborn, Peterson, USDA. – Botany on p. 7-17, 103-173.

**17.261.** *Studier öfver de svenska formerna af Alchemilla vulgaris* L. ... Norrköping (Norrköpings Tidningars Aktiebolag) 1907. Oct. (*Stud. Sv. form. Alchemilla*).
*Publ.*: prob. Jun 1907, cover-t.p., p. [1]-31. *Copies*: LD, Peterson. – Reprinted from Redogörelse för allm. läroverken i Norrköping ... 1906-1907, journal n.v. – See also *Neue schwedische Formen von Alchemilla vulgaris*, Repert. sp. nov. 5: 310-311. 1908. – See KR p. 756, no. 6 for further publ. on Alchemilla.

**Westermaier, Maximilian** (1852-1903), German (Bavarian) botanist; assistant with L. Radlkofer 1873-1875; id. with C.W. v. Nägeli 1875-1878; Dr. phil. München 1876; assistant with S. Schwendener in Berlin 1878-1890; habil. Berlin 1879; teacher natural history and chemistry at the Lyceum in Freising 1890-1896; professor of botany at Freiburg (Switzerland) 1896-1903; in Buitenzorg (Bogor) 1898-1899. (*Westerm.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 480 (b. 6 Mai 1852, d. 1 Mai 1903); Biol.-Dokum. 19: 9962; BJI 1: 63; BM 5: 2299; CSP 11: 787, 12: 777, 19: 560; De Toni 1: cxxx; Moebius p. 263, 264, 266; Morren ed. 10, p. 6; Rehder 5: 915.

BIOFILE: Anon., Bot. Centralbl. 44: 64. 1890 (app. Freising), 67: 96. 1896 (call to Freiburg Schw.), 92: 448. 1903 (d.); Bot. Jahrb. 32 (Beibl.72): 4. 1903 (d.); Bot. Zeit. 37: 663. 1879 (habil. Berlin), 48: 703. 1890 (app. Freising); Nat. Nov. 25: 366. 1903 (d.); Österr. bot. Z. 40: 430. 1890 (app. Freising), 46: 271, 306, 342. 1896 (app. Freiburg Schw.), 53: 263. 1903 (d.).
Bettelheim, A., Biogr. Jahrb. Deut. Nekrol. 8: 122*. 1905.
Lötscher, K., Der Diener Gottes Professor Dr. Max Westermaier 1852-1903. Ein katholischer Naturforscher, Freiburg (Schweiz), Konstanz 1948, 168 p. (biogr., portr., bibl., 87 biographical and bibliographical references on Westermaier).
Savoy, H., Bull. Soc. fribourg. Sci. nat. C.R. 11: 58-66. 1903.
Schwendener, S., Ber. deut. bot. Ges. 22: (24)-(31). 1904 (obit., portr., bibl.).
Ursprung, A., Verh. schweiz. naturf. Ges. 1903 (Nekrol.): lxxxii-xciv (biogr., portr., bibl.); Bull. Soc. fribourg. Sci. nat. 11: 58-66. 1903 (id.).
Westermaier, M., Die wissenschaftlichen Arbeiten des Botanischen Instituts der k. Universität zu Berlin in den ersten 10 Jahren seines Bestehens, Berlin (J. Springer) 1888, 65 p.; Natur und Offenbarung 40: 65-83. 1894 (Carl von Nägeli und die christliche Weltanschauung).

**17.262.** *Die ersten Zelltheilungen im Embryo von Capsella bursa pastoris* M. Inauguraldissertation ... Regensburg (Neubauer'sche Buchdruckerei (F. Huber)) 1876. Oct. (*Zelltheil. Embryo Capsella*).
*Publ.*: 1, 11, 21 Nov 1876 (in journal), p. [1]-26, *1 pl. Copies*: M, NSUB. – Preprinted or reprinted from Flora 59: 483-491. 1 Nov, 499-507. 11 Nov, 515-521, *pl. 14*. 21 Nov 1876.
*Ref.*: G.K., Bot. Zeit. 34: 830-831. 29 Dec 1876 (rev.).

**17.263.** *Ueber das markständige Bündelsystem der Begoniaceen* ... Regensburg (Neubaur'sche Buchdruckerei (F. Huber) 1879. Oct. (*Markst. Bündelsyst. Begon.*).
*Publ.*: 21 Apr, 1 Mai 1879 (in journal), p. [1]-24, *pl. 6-7* (uncol.). *Copies*: B, G, M. – Preprinted or reprinted from Flora 62: 177-188. 21 Apr, 193-201, *pl. 6-7*. 1 Mai 1879. – Habilitationsschrift Univ. Berlin.

**17.264.** *Beiträge zur Kenntniss des mechanischen Gewebesystems* ... Auszug aus dem Monatsbericht der Königl. Akademie der Wissenschaften zu Berlin ... 1881. Oct.
*Publ.*: Feb 1881 (read 20 Jan 1881), p. [61]-78, colo., *pl. 1-2*. *Copy*: B. – Reprinted and to be cited from Monatsber. K. Akad. Wiss. Berlin 1881: [61]-78, *pl. 1-2*.
*Ref.*: Loew, Bot. Zeit. 40: 174-176. 10 Mar 1882 (rev.).

**17.265.** *Beziehungen zwischen Lebensweise und Structur der Schling- & Kletterpflanzen* ... Regensburg (Neuburg'sche Buchdruckerei (F. Huber)) 1881. Oct.
*Co-author*: Ernst Ludwig Victor Hermann Ambronn (1856-1927).

*Publ.*: 21 Sep 1881, cover-t.p., p. [1]-16. *Copies*: B, M. – Reprinted and to be cited from Flora 64: 417-430.
*Ref.*: Loew, Bot. Zeit. 40: 364-367. 2 Jun 1882 (rev.).

**17.266.** *Beiträge zur vergleichenden Anatomie der Pflanzen* ... [Auszug aus dem Monatsbericht der Königl.-Akademie der Wissenschaften 1881]. Oct.
*Publ.*: Dec 1881 (read 24 Nov 1881), p. [i, recto of 1050], [1050]-1070, *1 pl. Copy*: B. – Reprinted and to be cited from Monatsber. K. Akad. Wiss. Berlin 1881: [1050]-1070, *1 pl.* 1881.

**17.267.** *Untersuchung über den Bau und die Function des pflanzlichen Hautgewebes* ... Sitzungsberichte ... Akademie der Wissenschaften zu Berlin ... 1882. Oct.
*Publ.*: 3 Aug 1882 (p. 843), cover-t.p., p. 1-7, *pl. 13. Copy*: B. – Reprinted and to be cited from S.B. Preuss. Akad. Wiss. Berlin 38: 837-843. 1882.

**17.268.** *Die wissenschaftlichen Arbeiten des Botanischen Instituts* der k. Universität zu *Berlin* in den ersten 10 Jahren seines Bestehens. Ein Beitrag zur Geschichte der Botanik ... Berlin (Verlag von Julius Springer) 1888. Oct. (*Wiss. Arb. Bot. Inst. Berlin*).
*Publ.*: 1888, p. [1]-65. *Copy*: M.

**17.269.** *Zur Embryologie der Phanerogamen* insbesondere über die sogenannten Antipoden ... Halle (Druck von E. Blochmann & Sohn ...) 1890. Qu. (*Embryol. Phan.*).
*Publ.*: 1890 (read 24 Oct 1889; Bot. Zeit. 26 Sep 1890; Nat. Nov. Sep(1) 1890), p. [1]-39, *pl. 1-3. Copies*: B, BR, G. – Issued as Nova Acta Leop. 57(1), 1890. – See also his *Historische Bemerkungen zur Lehre von der Bedeutung der Antipoden-Zellen*, Ber. deut. bot. Ges. 16: 214-216. 1898.

**17.270.** *Kompendium der allgemeinen Botanik* für Hochschulen ... Freiburg im Breisgau (Herdersche Verlagshandlung) 1893. Oct. (*Komp. allg. Bot.*).
*Publ.*: Nov 1893 (p. iv: Oct 1893; Bot. Centralbl. 22 Dec 1893; ÖbZ for Dec 1893; Bot. Zeit. 1 Jan 1894; Bot. Monatschr. Jan 1894; Flora d. by 12 Dec 1893, rev. 24 Jan 1894; Nat. Nov. Dec(2) 1893), p. [i]-viii, [1]-309. *Copies*: B, G, M. – An attempt to reconcile the results of scientific research with the teachings of Christianity (Zimmermann).
*English transl.*: Jan-Jun 1896 (p. v: Jul 1895; Bot. Zeit. 1 Jul 1896; TBC 20 Jul 1896; Nat. Nov. Jul(2) 1896), p. [i]-x, [1]-299. *Copy*: NY. – *A compendium of general botany* ... Translated by Dr. Albert Schneider ... New York (John Wiley & Sons), London (Chapman & Hall, ...) 1896. Oct. (*Comp. gen. bot.*).
*Ref.*: Zimmermann, A.W.P., Bot. Centralbl. 58: 205-206. 1894 (rev.).

**17.271.** *Zur Kenntniss der Pneumatophoren* ... Freiburg (Schweiz) (Universitätsbuchhandlung (B. Veith) ...) 1900. Oct. (*Kenntn. Pneumatoph.*).
*Publ.*: Feb 1900 (p. [3]: Jan 1900; ÖbZ for Feb-Mar 1900; Nat. Nov. Mar(1) 1900; Flora 12 Apr 1900), p. [1]-53, *pl. 1-3. Copies*: B, B-S, G, M, NY. – Issued as Bot. Unters. Anschluss Tropenreise, Heft 1.

**17.272.** *Zur Entwickelung und Struktur einiger Pteridophyten* aus Java ... Freiburg (Schweiz) (Universitäts-Buchhandlung (B. Veith) ...) 1900. Oct. (*Entw. Strukt. Pterid.*).
*Publ.*: Feb 1900 (ÖbZ for Feb-Mar 1900; Bot. Zeit. 1 Jun 1900; Nat. Nov. Mar(1) 1900; Flora 12 Apr 1900), p. [1]-27, *1 pl. Copies*: B-S, G, NY; IDC 7278. – Issued as Bot. Unters. Anschluss Tropenreise, Heft 2.

**17.273.** *Ueber gelenkartige Einrichtungen an Stammorganen* ... Freiburg (Schweiz) (Universitäts-Buchhandlung (B. Veith)) 1901. Oct. (*Gelenkart. Einricht. Stammorg.*).
*Publ.*: 1901 (Nat. Nov. Jun(2) 1901), cover, p. [i-ii], [1]-26, *pl. 1-2. Copies*: B, B-S, NY. – Reprinted from Mitt. naturf. Ges. Freiburg (Schweiz) 1(2): 13-38, *pl. 1-2.* 1901. – Issued as Bot. Unters. Anschluss Tropenreise, Heft 3.

**17.274.** *Die Pflanzen des Palaeozoicums* im Lichte der physiologischen Anatomie ... Stuttgart (E. Schweizerbart'sche Verlagshandlung (E. Naegele) 1902. Oct.

*Publ.*: 1902 (p. 126: 7 Jan 1902), cover-t.p., p. 99-126. *Copy*: B. – Reprinted and to be cited from Neu. Jahrb. Mineral. Geol. Palaeont. 1902(1): 99-126. 1902.

**17.275.** *Grundsätzliches zur Beurtheilung der zweckmässigkeit palaeozoischer Pflanzen* ... Stuttgart (E. Schweizerbart'sche Verlagshandlung (E. Nägele)) 1903. Oct.
*Publ.*: 1903, cover-t.p., p. 42-58. *Copy*: B. – Reprinted and to be cited from Neu. Jahrb. Mineral., Geol. Palaeont. 1903(1): 42-58.

**Westermann, Diedrich Hermann** (1875-1956), German (Hannover) ethnologist, linguist and explorer of Africa at Berlin University Institut für Landforschung from 1921. (*Westermann*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Biol.-Dokum. 19: 9962-9963; Tucker 1: 741.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 255: 882-885. 1965; Cat. gén. livr. impr. Bibl. natl. 221: 924-930. 1974.
Biermann, K.R. & G. Dunken, Deut. Akad. Wiss. Berlin, Biogr. Index Mitgl. 126. 1960 (b. 24 Jun 1875, d. 31 Mai 1956).
Degener, H.A.L., Wer ist's ed. 8. 1681. 1922, ed. 10. 1720. 1935.

**17.276.** *Die Nutzpflanzen unserer Kolonien* und ihre wirtschaftliche Bedeutung für das Mutterland ... Berlin (Dietrich Reimer (Ernst Vohsen)) 1909. (in 4-s). (*Nutzpfl. Kolon.*).
*Publ.*: Feb 1909 (BR copy rd. Oct 1909; ÖbZ for Mar-Apr 1909; NY rd. Jun 1909; Nat. Nov. Apr(2) 1909), p. [1]-94, *pl. 1-36* (col. K. Bock). *Copies*: B, B-S, BR, NY.
*Loose addenda*: Nachtrag 1910-1911, p. [1]-5. *Copy*: BR.

**Westhoff, Friedrich** [Fritz] (1867-1896), German (Westphalian) entomologist and botanist; lecturer ("Privatdocent") at the University of Münster; Dr. phil. ib. 1882. (*Westh.*).

HERBARIUM and TYPES: MSTR.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 481 (d. 12 Nov 1896); Biol.-Dokum. 19: 9964; BM 8: 1420; CSP 11: 787, 12: 777, 19: 561; LS 2140; TL-2/3518.

BIOFILE: Anon., Allg. bot. Z. 3: 56. 1897 (d.; of tetanus); Bot. Centralbl. 69: 303. 1897 (d.); Entom. News 8(3): 72. 1897 (d.); Bot. Monatschr. 15: 132. 1897 (d.); Leopoldina 32: 189. 1896 (d.); Österr. bot. Z. 47: 151. 1897 (d.); Zool. Anzeiger 19: 504. 1896, 20: 16. 1897 (d.).
Reeker, H., Jahresber. Westfäl. Prov.-Ver. Wiss. Kunst 25: 31-37. 1897 (obit., portr.).
Runge, F., Abh. Landesmus. Naturk. Münster Westfalen 29: 29, 30, 33. 1967.

COMPOSITE WORKS: Edited ed. 6, A. Karsch, *Flora der Provinz Westphalen* 1895, TL-2/3518.

**17.277.** *Einiges über die Stechpalme*, Ilex aquifolium L. und ihre Verbreitung im Münsterlande ... [Jahresber. Westphäl. Provincialver., Bot. 1892]. Oct.
*Publ.*: Aug 1892 (copy reprint B signed by author 3 Sep 1892), p. [1]-8. *Copy*: B. – Reprinted and to be cited from Jahresber. Westphäl. Provincialver., Bot. 1891-1892: 16-23. 1892. – *Continuation*: ib. 1892-1893: 55-63. 1893.

**Westling, [Per] Richard** (1868-1942), Swedish pharmacist and botanist; studied at the universities of Bern and Stockholm; Dr. phil. Stockholm 1911; "amanuensis" for botany and pharmacognosy at the Stockholm Pharmaceutical Institute 1896, assistant 1897-1911, head assistant 1912-1918, professor 1918-1933. (*Westling*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 481; BM 5: 2301; Bossert p. 432; KR p. 756-757; LS 40523-40524; Stevenson p. 1262.

BIOFILE: Edman, G., Sv. bot. Tidskr. 37(3): 324-327. 1943 (obit., portr.).
Flaum, A., *in* Svensk Uppslagsbok 22: 700. 1951 (um der "Penicillin": Westling is the original author of *Penicillium notatum*, the species used by A. Fleming in 1928).
Lindman, S., Sv. män kvinn. 8: 302. 1955.
Santesson, C.G., *in* Nordisk Familjebok 20: 343. 1934.

FESTSCHRIFT: Minnesskrift vid Professor Richard Westlings avgång 2.12.1933, Victor Pettersons Bokindustriaktiebolag, Stockholm, Dec 1933, p. [1]-77, portr. (privately published, 100 copies).

**17.278.** *Über die grünen Spezies der Gattung Penicillium.* Inaugural-Dissertation zur Erlangung der Doktorwürde der mathematisch-naturwissenschaftlichen Fakultät der Hochschule zu Stockholm am [ ] 1911 um [ ] Uhr ... Uppsala (Almqvist & Wiksells Boktryckeri-A.-B.) 1911. Oct. (*Grün. Sp. Penicillium*).
*Publ.*: On or shortly after 6 Oct 1911 (date of printing p. 156; distributed in journal with nos. 2-3 on 16 Apr 1912), cover-t.p., p. [1]-156. *Copies*: LD, NY, Stevenson; IDC 8562 (80-81). – Issued as Ark. Bot. 11(1). 1911.
*Note*: *Penicillium notatum* Westling, described here, was later used by Fleming, Florey, Chain et al. for the preparation of the antibiotic penicillin.

**17.279.** *Lärobok i Farmakognosi* ... Uppsala och Stockholm (Almqvist & Wiksells Boktryckeri-A.-B.) 1927. Oct. (*Lärob. Farmakogn.*).
*Publ.*: 1927, p. [i]-xv, [1]-363, [364]. *Copy*: Peterson. – Name printed R.P. [sic] Westling.

**Weston, Richard** (1733-1806), British agricultural writer and thread-hosier of Leicester; secretary of the Leicester Agricultural Society. (*Weston*).

HERBARIUM and TYPES: Unknown. – Some letters at HU.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 481 (d. 20 Oct 1806); BM 5: 2302; Dawson p. 865; Desmond p. 652; DNB 20: 1281; Dryander 3: 41, 100; Henrey 2: 747 [index], 3: 134-135 (nos. 1481-1491); Hortus 3: 1207; Jackson p. 1, 111, 232; PR 10204-10206, ed. 1: 11183-11186; Rehder 5: 916; SO 656, 675*, 319a; TL-2/see J.F. Miller; Tucker 1: 741; Zander ed. 10, p. 732, ed. 11, p. 835.

BIOFILE: Anon., Brit. Mus. gen. cat. printed books 255: 1006-1007. 1965.
Fussel, G.E., More old English farming books 68, 78, 85-89. 1948; Gard. Chron. 1953(1): 221-223.
Hemsley, W.B., Gard. Chron. 1899(2): 353 (on Tracts pract. agric.).
Horwood, A.R. & C.W.F. Noel, Fl. Leicestershire cxcvi. 1933.
Turner, D. & L.W. Dillwyn, Bot. Guide England Wales 195. 1805.

EPONYMY: *Westonia* K.P.J. Sprengel (1826) may honor this author, but no derivation was given for the name. *Note*: *Westoniella* J. Cuatrecasas (1977) was named for Dr. Arthur S. Weston, American botanist, who has studied the high elevation flora of Costa Rica.

**17.280.** *Tracts on practical agriculture* and gardening. In which the advantage of imitating the garden culture in the field, is fully proved, by a seven years course of experiments, ... by a country gentleman. London (printed for S. Hooper, ...) 1769. Oct. (*Tracts pract. agric.*).
*Publ.*: 1769, p. [i*-x*], [iii]-xxiii, [1]-277, [i], [1]-70. *Copy*: HH.
*Ed. 2*: 1773, p. [i]-iv, [i]-xxxi, [1]-298, [i], [1]-136. *Copy*: HH.

**17.281.** *Botanicus universalis* et hortulanus: exhibens descriptiones specierum et varietatum arborum, fruticum, herbarum, floram & fructuum, indigenorum et exoticorum, per totum orbem, seu cultivorum in hortis et viridariis europaeis, sive descriptorum botanicis hodiernis. Secundum systema sexuale magni Linnaei digestorum. Cum nominibus

anglicè redditis. Quibus addendi sunt indices, catalogi multi utiles, et lexicon botanicum copiosum. Tabulis aeneis illustratis tomis quatuor ... Londini (prostant venales apud J. Bell, ...) 1770-1777. Oct. (*Bot. univ.*).

*Publ.*: 1770-1777 in 4 volumes. *Copies*: BM, HH, MO, NY, USDA. – Alternative t.p.: *The universal botanist* and nurseryman, containing descriptions ... illustrated with elegant engravings. – See Henrey 1481.

*1*: 1770 (p. vi*): 11 Oct 1770, p. [ii*-viii*], [i]-xv, [xv-xx], [1]-360, [361, instr. bind.].

*2*: 1771 (p. iv: 1 Mai 1771), p. [ii*], [i]-xiii, [xiv], [1]-384, [385, id.].

*3*: 1772 (preface 1 Dec 1772), p. [ii-viii], 385-748.

*4*: 1777, p. [ii-vi], [1]-95, [i-ii], 52-212, [i], [xviii]-lxxx, [i]-xxx, *pl. 1*, [i]-iii, *pl. 2-17*, [iv-v], plates uncol. copp. with text.

*Ed. 2*: 1777, see Henrey 1482 (one copy seen by her), re-issue of the first edition with correct t.p.'s for vols. 1-3.

*Note*: Binary nomenclature consistently employed?

**17.282.** *The English flora*: or, a catalogue of trees, shrubs, plants and fruits, natives as well as exotics, cultivated, for use or ornament, in the English nurseries, greenhouses and stoves, arranged according to the Linnaean system; the Latin trivial, and common English names, and an English index referring to the Latin names. Also a general catalogue of seeds, for the kitchen-garden, flower-garden, grass-lands, &c. usually raised for sale and those annually imported from America ... London (printed for the author ...) 1775. Oct. (*Engl. fl.*).

*Publ.*: 1775 (p. [v]: 13 Dec 1775), p. [i-xiii], [1]-259, [260, adv.]. *Copies*: B-S, BM, Ewan, HH, HU(2), L, NY. – English t.p.: *Flora anglicana*: ... Londini (excusa pro auctore) 1775. (*Fl. angl.*). – See HU 645 for an analytical bibliographical treatment with ample notes.

*Supplement*: 1780, p. [i-xii], [1]-120. *Copies*: BM, HH, NY. – *The supplement to the English flora*"... London (id.) 1780, alt. t.p.: "*Florae anglicum supplementum*; ..." *Copies*: BM, NY.

**Weston, William Henry** (1890-1978), American mycologist and plant pathologist; Dr. phil. Harvard 1915; instructor in botany, Western Reserve 1915-1916, path. inspector USDA 1916-1917, pathologist USDA, Bureau of Plant Industry 1918-1921; assistant professor of botany Harvard 1921-1927, assoc. prof. 1927-1928, professor of cryptogamic botany 1928-1958, emeritus professor from 1958. (*W. Weston*).

HERBARIUM and TYPES: FH. – *Letters* in FH, GH.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 348 [index]; Barnhart 3: 481; Hirsch p. 321; Lenley p. 431; LS suppl. 29834-29854; MW p. 527; NW p. 61; Stevenson p. 1262; Tucker 3: 331.

BIOFILE: Anon., Amer. men sci. eds. 3-11, 1921-1967; Index Amer. bot. lit. 1886-1966. 4: 504-505. 1969; Who's who Amer. 18-31. 1934-1961; Who's who New England 3: 1337. 1938.

Rogers, D.P., Brief hist. mycol. N. Amer. ed. 2. 86 [index]. 1981.

Verdoorn, F., ed., Chron. bot. 2:31, 34. 1936, 3: 430 [index]. 1937, 6: 158. 1941.

Wilson, C.M., Mycologia 71(6): 1103-1106. 1979 (obit., portr.).

Wolf, F.A., Mycologia 26: 113-114. 1934 (first pres. Mycol. Soc. Amer.).

COMPOSITE WORKS: *Phycomycetes*, *in* C.E. Chardon & R.A. Toro, *Mycological explorations of Columbia*, J. Agr. Porto Rico 14(4): 215-226, *pl. 30-31*. Oct 1930.

**17.283.** *The development of Trausotheca*, a peculiar water-mould ... Annals of Botany ... 1918. Oct.

*Publ.*: Jan 1918, cover-t.p., p. [155]-173. *Copy*: BR. – Reprinted and to be cited from Ann. Bot. 32: [155]-173. 1918.

**17.284.** *Repeated zoospore emergence in Dictyuchus* ... Reprinted ... from The Botanical Gazette ... 1919. Oct.
*Publ.*: Oct 1919, p. 287-296, *pl. 23*. *Copy*: BR. – Reprinted and to be cited from Bot. Gaz. 68(4): 287-296, *pl. 23*. 1919.

**17.285.** *Observations on Loramyces*, an undescribed aquatic Ascomycete ... Reprinted from Mycologia ... 1929. Oct.
*Publ.*: 1 Mar 1929, cover-t.p., p. 55-76, *pl. 8-9*. *Copy*: NY. – Reprinted and to be cited from Mycologia 21(2): 55-76, *pl. 8-9*. 1979.

**17.286.** *The fungi of Barro Colorado* ... Reprinted from The Scientific Monthly ... 1933. Oct.
*Publ.*: Mai 1933, cover-t.p., p. 387-407. *Copies*: NY, Stevenson. – Reprinted and to be cited from Sci. Mon. 36: 387-407. 1933.

**Westring, Johan Peter** (1753-1833), Swedish physician and lichenologist; student of C. Linnaeus; Dr. med. Uppsala 1780; practicing physician in Linköping and, from 1781, Norrköping; royal physician from 1794. (*Westr.*).

HERBARIUM and TYPES: Some material in UPS; owned a lichen collection (Löwegren p. 370).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 481; BM 5: 2302; Dryander 3: 587, 5: 99; GR p. 484, cat. p. 73; Hawksworth p. 186; Hegi 5(4): 2522; KR p. 757-758 (b. 24 Nov 1753, d. 1 Oct 1833); LS 28731-28734; PR 10207, ed. 1: 6219, 11187; Rehder 5: 916; SBC p. 134; SO 1313, 2441; TL-2/4849.

BIOFILE: Anon., K. Vet. Akad. Handl. 1833: 391-398.
Dawson, W.R., Smith papers 96. 1934 (letter on his work on lichens).
Eriksson, G., Bot. hist. Sverige 303, 330. 1969.
Fries, Th.M., Bref Skrifv. Linné 1(5): 233. 1911.
Gertz, O., K. Fysiogr. Sällsk. Lund 1772-1940; Hist. övers. 107-108. 1940.
Lindman, S., Sv. män kvinn. 8: 309-310. 1955.
Löwegren, Y., Naturaliekabinett Sverige 370. 1952.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1307. 1863.
Pontin, M.M. af, K. Vet. Akad. Handl. 1833: 391-398.

COMPOSITE WORKS: (1) Author of the Linnaean dissertation *de Ledo palustri* (1775), see TL-2/4849.
(2) *Lichen Acharii* Westr. *in* E. Acharius, *Lich. Sv. prodr.* 33, *col. pl.* (on t.p.) 1798, TL-2/9.

EPONYMY: *Westringia* J.E. Smith (1797).

**17.287.** *Svenska lafvarnas färghistoria*, eller sättet att använda dem till färgning och annan hushållsnytta ... Stockholm (Tryckt hos Carl Delén) 1805 [-1809]. Duod. †. (*Sv. lafv. färghist.*).
*Publ.*: 1805-1809, one volume issued in 8 parts (3 vols., 24 parts planned). *Copies*: Almborn, GB, H, LD, NY, Peterson, USDA. – Plates by E. Acharius.
*Titles vol. 1*: 1805, p. [i, iii].
*Häftet 1*: 1805, cover-t.p., p. [i]-xv, [1]-32, *4 pl.*, back cover (dated imprint).
*2*: 1806, cover-t.p., p. [1]-48, *3 pl.*, back cover (id.).
*3*: 1806, cover-t.p., p. [49]-108, *3 pl.*, back cover (id.).
*4*: 1806, cover-t.p., p. 109-160, *3 pl.*, back cover (id.).
*5*: 1807, cover-t.p., p. 161-204, *3 pl.*, back cover (id.).
*6*: 1808, cover-t.p., p. 205-260, *3 pl.*, back cover (id.).
*7*: 1808, cover-t.p., p. 261-292, *3 pl.*, Svar på Recensionen (reply to review), [1]-23, back cover (id.).
*8*: 1809, cover-t.p., p. 295-338, *3 pl.*, *Tillägg med Svar på Anmärkningar* ... (Additions with reply to remarks [1]-11 appendix, [i]-viii, index, [1, err.], back cover (id.). For the

polemic papers in parts 7 and 8, see KR p. 758. – Actually a second edition of a series of papers, listed below.

*Original publ.*: *Försök*, at af de flesta Laf-arter (Lichenes) bereda Färgstofter ... Afd. 1-8. – Sv. Vet.-Akad. Handl. 1791: 113-138, 293-307; 1793: 35-54; 1794: 3-31 and Bihang 31-32; 1795: 41-58; 1797: 176-192; 1798: 1-22; 1801: 207-228; 1804: 14-39, 109-124. Also in *German* (1-2): Abh. Schwed. Akad. Wiss. 12: 101-14, 275-287. 1792; and *French* (1-2): Ann. Chimie, Paris 15: 267-297. 1792, 17: 67-84. 1793. For another German translation (n.v.), in Lorenz Crell, Chem. Anal., Helmstädt. 1792-1804, see LS 28731.

*German transl.* of definitive publ. of part 1: 1805, p. [i]-xxii, [1]-23, *pl. 1-3* (col. copp.). *Copy*: NY. – "*Schwedens vorzüglichste Färbeflechten* treu nach der Natur abgebildet nebst der chemischen Bearbeitung derselben besonders in Rücksicht auf Färberey begleitet mit Farbentafeln ... Aus dem Schwedischen übersetzt von F.D.D. Ulrich. Norrköping und Leipzig (bey F.D.D. Ulrich) 1805. Oct. (*Schwed. Färbeflecht.*).

**Wettstein** von Westersheim, **Fritz** (Friedrich] (1895-1945), Austrian botanist; son of Richard von Wettstein; studied at Vienna University; assistant Kaiser Wilhelms Institut für Biologie, Berlin-Dahlem 1919; habil. Berlin 1923; professor of botany Göttingen 1925-1931; director bot. gard. ib. 1927-1931; travelled in Southern and Eastern Africa 1929-1930; director of the Botanical Institute and Garden and professor of botany München, succeeding K. v. Goebel, 1931-1934; director of the Kaiser Wilhelms Institut für Biologie, Berlin-Dahlem 1934-1945. (*F. Wettst.*).

HERBARIUM and TYPES: M and WU. – Further material GOET (bryoph. Brandenburg). – Material from African trip in M, from Africa, Austria and bryol. coll. at WU. – *Letters* UPS-UB (Dörfler coll.).

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(2) Editor, R. Wettstein, *Handbuch der systematischen Botanik* ed. 4. 1935; see under R. Wettstein (q.v. also for a Spanish translation).
(3) Editor, C. Correns, *Nicht mendelnde Vererbung*, Handb. Vererb.-Wiss. 2H, 1937, ii, 139 p.
(4) Editor, *Zeitschrift für induktive Abstammungs- und Vererbungslehre*, associate ed. 1922-1931, member editorial board 1932-1943.

NOTE: We have no information on Friedrich Wetstein from Maur, Zürich, who defended a dissertation under H. Schinz and A. Ernst at the University of Zürich in 1905 (*Entwicklung der Beiwurzeln einiger dikotylene Sumpf- und Wasserpflanzen*).

**17.288.** *Geosiphon* Fr. Wettst., eine neue, interessante Siphonee ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift" ... 1915. Oct.
*Publ.*: Mai-Jun 1915, p. 145-156. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 65(5-6): [145]-156. 1915. – Schnepf (Arch. Microbiol. 49: 112-131. 1964) considers *Geosiphon* to represent a Phycomycete with *Nostoc* as an endosymbiont (P.C. Silva, ING 2: 711. 1979).

**17.289.** *Vererbungserscheinungen und Systematik bei Haplonten und Diplohaplonten* im Pflanzenreich ... Sonderabdruck aus der Zeitschrift für induktive Abstammungs- und Vererbungslehre ... 1919. Oct.
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**17.290.** *Floristische Mitteilungen aus den Alpen* ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift" ... 1919. Oct.
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*2*: Jun-Aug 1921, p. [i-ii], *1 pl. Copy*: B. – Id. 70: 180-183. 1921.

**17.291.** *Künstliche haploide Parthenogenese bei Vaucheria* und die geschlechtliche Tendenz ihrer Keimzellen ... Sonderdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1920. Oct.
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**17.293.** *Zur Bedeutung und Technik der Reinkultur* für Systematik und Floristik der Algen ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift", ... 1921. Oct.
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**17.294.** *Splachnaceenstudien* I. Entomophilie und Spaltöffnungsapparat ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift ... 1921. Oct.
*Publ.*: Mar-Mai 1921, p. [65]-77. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 70: 65-77. 1921.

**17.295.** *Kreuzungsversuche mit multiploiden Moosrassen* ... Sonderabdruck aus dem "Biologischen Zentralblatt" ... 1923. Oct.
[*1*]: 31 Jun 1923, p. [71]-83. *Copy*: B. – Reprinted and to be cited from Biol. Zentralbl. 43(1): [71]-83. 1923.
*2*: 30 Apr 1924, p. [145]-168. *Copy*: B. – Id. 44(4): [145]-168. 1924.

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... Sonderabdruck aus der Zeitschrift für induktive Abstammungs- und Vererbungslehre ... 1924. Oct.
*1*: 1924 (p. 236: Apr 1934; ÖbZ for Jul-Sep 1924), cover-t.p., p. [1]-236, *pl. 1-12*. *Copy*: U. – Reprinted and to be cited from Z. indukt. Abst.-Vererb.-Lehre 33: [1]-236, *pl. 1-12*. 1924.
*2*: 1928, p. [i-iii], [1]-216, *pl. 1-10*. *Copies*: BR, FH. – Issued as Bibl. gen., ed. E. Baur, 10, 1928.

**17.297.** *Gattungskreuzungen bei Moosen* ... Sonderabdruck aus "Zeitschrift für induktive Abstammungs- und Vererbungslehre" ... 1924. Oct.
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**17.298.** *Über Fragen der Geschlechtsbestimmung bei Pflanzen* ... Sonderabdruck aus Die Naturwissenschaften ... [1924].
*Publ.*: 19 Aug 1924, p. [761]-768. *Copy*: B. – Reprinted and to be cited from Die Naturwissenschaften 12(38): [761]-768. 1924.

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**17.301.** *Genetik*. Reprint from Manual of Bryology ... The Hague (Martinus Nijhoff) 1932. Oct.
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**17.303.** *Karl von Goebel*. Gedächtnisrede gehalten in der öffentlichen Sitzung der bayerischen Akademie der Wissenschaften am 17. Mai 1933 ... München (Verlag der Bayerischen Akademie der Wissenschaften ...) 1933. Qu. (*K. von Goebel*).
*Publ.*: 1933, p. [1]-18. *Copy*: U.

**17.304.** *Gesichertes und Problematisches zur Geschlechtsbestimmung* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1936. Oct.
*Publ.*: 16 Oct 1936, cover, p. [23]-38. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 54 (1. Gen.-Vers. Heft): [23]-38. 1936.

**17.305.** *Über reziprok induzierte, haploide Pflanzen* aus einer Artbastardierung *bei Epilobium* ... Leipzig (Georg Thieme Verlag) 1937. Oct.
*Publ.*: Nov-Dec 1937, cover-t.p., p. [561]-568. *Copy*: B. – Reprinted and to be cited from Biol. Zentralbl. 57 (11-12): [561]-568. 1937.

**17.306.** *Über einige Beobachtungen und experimentelle Befunde bei Laubmoosen* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1942. Oct.
*Publ.*: 26 Nov 1942, p. [394]-414. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 60(8): [394]-414. 1942.

**Wettstein** von Westersheim, **Richard** (1863-1931), Austrian botanist; studied at

Vienna University with J. von Wiesner and A. Kerner 1881-1884; Dr. phil. ib. 1884; assistant with Kerner 1884-1888; "Habilitation" and private lecturer at the university 1886; "Adjunkt" (head assistant) 1888-1892; professor of botany and curator of the botanical garden of the German University Prague, succeeding M. Willkomm 1892-1899; id. Vienna University, succeeding Kerner 1899-1931; "Hofrat" 1911; travelled in Brazil 1901, United States 1926, in South-West Africa, South Africa, Moçambique and East Africa 1929-1930; with J. von Wiesner co-president International Botanical Congress Vienna, 1905. (*Wettst.*).

HERBARIUM and TYPES: WU. – Other material at AK, B (mainly destr.), GB, K, M, PRC, W.
*Exsiccatae*: with A. Kerner and K. Fritsch Jr., *Flora exsiccata austro-hungarica* see Kerner, TL-2/2: 525-526. A major reorganization with respect to the Viennese herbaria took place in 1879. The Vienna herbaria (W) had so far been located with the botanical "Lehrkanzel" (chair) at the University. In 1879 the herbaria went to their definitive destination in what is now the Naturhistorisches Museum (W); the Botanical Institute of the University was formed, combining the botanical garden and a new herbarium. The series of exsiccatae was started by Kerner et al. in order to build up a new herbarium (WU) through exchange and exploration. The present WU is the creation of A. Kerner and R. Wettstein. This course of events led to the location of the herbaria of e.g. the Jacquin's to be located in W and the Jacquin library at WU. – Sets of centuries i-xl, 1881-1913 are at B (partly extant), BM, GB, GJO, GOET, GZU, IBF, JE, K, L, LE, MW, OXF, PR, S, W. – *Letters* e.g. at FH, G, UPS-UB.

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MAIN BIOGRAPHY and BIBLIOGRAPHY: E. Janchen, *Richard Wettstein, sein Leben und Wirken*, Österr. bot. Z. 82(1, 2): 1933. Contains a very detailed biography with many details on systematic botany in Vienna; notes on the development of botany in Vienna from 1851 onward, a detailed bibliography (247 nos.), a *Nomenclator Wettsteinianus* listing the plant names created by Wettstein as well as those named after him (eponymy), lists of assistants, students, further scientific personel and a long list of biographical publications on Wettstein. Janchen's publication thus constitutes a very detailed description of botany and botanists in Vienna between 1880 and 1931.

COMPOSITE WORKS: (1) Editor, *Österreichische botanische Zeitschrift* 1889-1931.
(2) Contributions to EP, *Nat. Pflanzenfam.* (TL-2/1710):
Nolanaceae, 4(3B): 1-4. Oct 1891.
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*Scrophulariaceae*, 4(3B): 39-107. Oct and Nov 1891.
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(3) Contributed to O. Stapf, *Die botanischen Ergebnisse der Polak'schen Expedition nach Persien* (see TL-2/12.800), 1(1885): *Fungi* (p. 1-4), *Borragineae* (p. 27-33), *Solanaceae* (p. 33), *Gentianaceae* (p. 69), *Campanulaceae* (p. 69); 2 (1886): *Berberideae* (p. 290), *Umbelliferae* (p. 315-325, with Stapf).
(4) Contributed to O. Stapf, *Beiträge zur Flora von Lycien* (see TL-2/12.801), 1(1885): *Fungi* (*p. 73*), *Borraginaceae* (p.85-88), *Solanaceae* (p. 88), *Campanulaceae* (p. 117-118); *2* (1886): *Berberideae* (p. 356), *Umbelliferae* (p. 369-374, with O. Stapf).
(5) Contributions to A. Kerner, *Sched. fl. exs. austro-hung.* (see TL-2/3598): in *4* (Dec 1886) nos. 1375, 1403-1410, 1411-1415, 1563-1568; in *5* (1888, publ. Jan 1889): nos.

1767-1828, 1901-2000; in *6* (1893): nos 2023-2026, 2098-2103, 2104-2106, 2134-2139, 2177-2198, 2228-2233, 2271-2281. 2362-2380; in *7* (1896): nos. 2614-2617, 2658-2660, 2775-2783; in *8* (1899): no. 2968; in *9* (1902): nos. 3284, 3285 and *editor* of 10 (Sep 1913).
(6) Contributed to I. Dörfler, *Herbarium normale*, Schedae ad cent. *34*: p. 118-122, nos. 3352-3364; *cent. 38*: p. 267-288, nos. 3736-3778.
(7) *Sokotra, in* G. Karsten & H. Schenk, *Vegetationsbilder* ser. 3. 5: *pl. 25-30*, Nov-Dec 1905.
(8) Contributed text to A. von Kerner, *Florenkarte von Oesterreich-Ungarn* (Phys.-stat. Handatlas von Oesterreich-Ungarn no. 14), double folio and folio, 3 p, "erläutert von ... Richard ... v. Wettstein, Wien (Hölzel) 1888 (Bot. Centralbl. 13 Dec 1888).
(9) *Botanik, in* E. Richter, *Die wissenschaftliche Erforschung der Alpen* 1894 (Festschr. deut. österr. Alpenver.).
(10) *Die Erblichkeit der Merkmale von Knospenmutationen, in* I. Urban and P. Graebner, Festschrift P. Ascherson, Berlin 1904, p. 509-517.
(11) With J. Wiesner & A. Zahlbruckner, *Résultats scientifiques du congrès international de botanique Vienne 1905*, Jena (G. Fischer) 1906, 440 p., 3 pl., map.
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(13) *Blüte, in* Handwörterb. Naturw. 2: [71]-102, Jena (Gustav Fischer) 1912; *System der Pflanzen, in* id. 9: [987]-994. 1913; *Blütenpflanzen, in* id. ed. 2. 2: [1]-33. 1932.
(14) *Das System der Pflanzen* (p. 165-175) and *Phylogenie der Pflanzen* (p. 439-452), *in* R. Hertwig and R. v. Wettstein, *Abstammungslehre. Systematik. Paläontologie. Biographie*, Die Kultur der Gegenwart 3(4.4). 1914; Vorwort by R. Hertwig and R. v. W. on p. v-vi.
(15) Editor with others of *Zeitschrift für induktive Abstammungs- und Vererbungslehre* 1909-1931.

OBITUARIES (and other biogr. contr.): *Carl Richter*, Ber. deut. bot. Ges. 10: (27)-(30). 1893; *Heinrich Moriz Willkomm*, ib. 14(13)-(25). 1896; *Anton Kerner von Marilaun*, Naturw. Rundschau 13(39): 502-504. 1898, Ber. deut. bot. Ges. 16: (43)-(58). 1898; Neue Freie Presse 1908, nr. 15.57, 23 Jan morning issue, p. 21-23; *Stephan Endlicher*, Verh. zool.-bot. Ges. 49: 360-361. 1899; *Karl v. Linné*, ib. 57: 140-152. 1907, Neue Freie Presse, Wien 15 Jan 1928; *C. Darwin*, ib. 59: (85)-(101). 1909, Tagesbote, Brünn 1924, no. 367; *Ernest von Koerber*, Neue Freie Presse, Wien 1919, no. 19.587, 6 Mar 1919, p. 3; *Gregor Mendel*, Tagesbote, Brünn 1924, no. 367; Neue Österr. Biogr. 1855-1918, 1(2): 9-16. 1925; *Karl Kupelwieser*, Neue Österr. Biogr. 1815-1918, 1(5): 9-15. 1928, Neues Wiener Tageblatt, Wien 12 Apr 1925; *Carolus Clusius* ib. 20 Feb 1926; *Eduard Leisching* Neue Freie Presse 27 Nov 1926; *Stéphanie Herzfeld*, Neue Freie Presse 24 Aug 1930.

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EPONYMY: For an exhaustive listing of Wettstein eponyms see E. Janchen (1933), p. 171-176. – *Genera*: *Westersheimia* Krasser (1917), *Wettsteinia* Petrak (1910), *Wettsteinia* Schiffner (1898), *Wettsteiniella* O. Kuntze (1891), *Wettsteinina* v. Höhnel (1907).

**17.307.** *Vorarbeiten zu einer Pilzflora der Steiermark* ...Wien (... A. Hölder, ...) 1885. Oct. (*Vorarb. Pilzfl. Steiermark*).
*Publ.*: Dec 1885 (t.p. preprint 1885; journal issue early Jan 1886; Hedwigia Jan-Feb 1886; Nat. Nov. Feb(2) 1886); p. [1]-92. *Copy*: FH. – Preprinted from Verh. zool.-bot. Ges. Wien 35: 529-618. Jan 1886.
*2. Teil*: late Mar 1888 (preprint; publ. in journal late Dec 1888; Bot. Centralbl. 30 Jul-10 Aug 1888; cover Heft "Ende März 1888"; Nat. Nov. Mai(1, 2) 1888), p. [1]-60. *Copy*: FH. – Id. 38: 161-218. 1888.
*Ref.*: Beck, G., Österr. bot. Z. 36: 134-135. 1 Apr 1886 (rev.).
Zimmermann, O.E.R. (Chemnitz), Bot. Centralbl. 27: 85-86. 19-30 Jul 1886 (rev.).

**17.308.** *Isoëtes Heldreichii* ... (Aus den Verhandlungen der k.k. zoologisch-botanischen Gesellschaft in Wien ... besonders abgedruckt) 1886. Oct.
*Publ.*: Jul 1886 (read 2 Jun 1886; cover Heft dated Jul; Nat. Nov. Aug(2) 1886), p. 1-2. *Copy*: B. – Reprinted and to be cited from Verh. zool. bot. Ges. 36: 239-240. 1886.

**17.309.** *Fungi novi austriaci.* Series I. ... Aus dem xciv. Bande der Sitzb. der kais. Akad. der Wissensch. ... 1887. Oct.
*Publ.*: Jan 1887 (read 2 Dec 1886; Bot. Centralbl. 21-25 Mar 1887; Bot. Zeit. 29 Apr 1887; ÖbZ rev. 1 Mai 1887; Nat. Nov. Mai(1, 2) 1887), cover-t.p., p. [1]-16, *pl. 1-2* (uncol.). *Copy*: G. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 94, Abth. 1. Dec Heft 1886: [61]-76, *pl. 1-2.* 1887.
*Prelim. publ.*: Über die Auffindung einiger neuer Pilze, Verh. zool.-bot. Ges., Wien 36(S.B.): 49, late Dec 1886.

**17.310.** *Zur Morphologie und Biologie der Cystiden* ... Aus dem xcv. Bande der Sitzb. der kais. Akad. d. Wissensch. ... 1887. Oct.
*Publ.*: Feb 1887 (in "Jänn.-Heft" 1887, publ. Feb; read 7 Jan 1887), cover-t.p., p. [1]-12, *1 pl. Copies*: B, G. – Reprinted and to be cited from S.B. Akad. Wiss. Abth. I. 95 (Jänn.-Heft): 10-21, *1 pl.* 1887. – Extract Anz. Akad. Wiss. Wien, math.-nat. Kl. 24: 6-7. 1887.
*Preliminary publ.*: "Vortragsbericht, 5 Jänner 1887" in Verh. zool.-bot. Ges. 37 S.B. p. 6, late Mar 1887.
*Ref.*: Fischer, Ed., Bot. Zeit. 45: 616. 16 Sep 1887 (rev.).
Zukal, H., Österr. bot. Z. 38: 67-68. 1 Feb 1888 (rev.).

**17.311.** *Monographie der Gattung Hedraeanthus* ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1887). Qu. (*Monogr. Hedraeanthus*).
*Publ.*: Jun-Jul 1887 (Bot. Centralbl. 8-12 Aug 1887; Bot. Zeit. 29 Jul 1887; rev. ÖbZ 1 Sep 1887; Nat. Nov. Sep(1) 1887), p. [i], [1]-28, *1 pl.* (uncol.), map. *Copies*: B, BR, G. – Reprinted and to be cited from Denkschr. math.-nat. Cl. Akad. Wiss., Wien 53: [185]-212, *3 pl.* 1 map.

**17.312.** *Ueber zwei wenig bekannte Ascomyceten* ... Aus den Verhandlungen der k.k. zoologisch-botanischen Gesellschaft in Wien ... abgedruckt [1887]. Oct.
*Publ.*: late Mar 1887 (read 9 Feb 1887; Heft 1 issued "Ende März 1887" fide cover), p. 1-4. *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 37: 169-172. 1887.
*Preliminary publ.*: Vortragsbericht, Zool.-bot. Ges. Wien, 2 März 1887, 30: 188-189. 1887.

**17.313.** *Über die Verwerthung anatomischer Merkmale* zur Erkennung hybrider Pflanzen ... Aus dem xcvi. Bande der Sitzb. der kais. Akad. der Wissensch. 1. Abth. ... Wien (in Commission bei F. Tempsky) 1888 [i.e. 1887]. Oct.
*Publ.*: Dec 1887 (in Dec.-Heft Jahrg. 1887; read 17 November 1887; reprint dated 1888, but rd. Bot. Zeit. by 30 Dec 1887), cover-t.p., p. [1]-26, *pl. 1-2. Copies*: B, M. – Reprinted and to be cited from S.B. Akad. Wiss. 1. Abth. 96 (Dec.-Heft): [312]-337, *pl. 1-2.* 1887.

**17.314.** *Beobachtungen über den Bau und die Keimung des Samens von Nelumbo nucifera* Gärtn. ... Aus den Verhandlungen der k.k. zoologisch-botanischen Gesellschaft in Wien ... abgedruckt [1888]. Oct.
*Publ.*: late Mar (read 7 Dec 1887; Heft 1 issued "Ende März 1888" fide cover; Nat. Nov. Mai(1, 2) 1888; Flora rd. Apr 1888), p. 1-8, *pl. 1. Copies*: B, M. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 38: 41-48, *1 pl.* 1888.

**17.315.** *Rhododendron ponticum* L., fossil in den Nordalpen ... Aus den Sitzungsberichten d. kais. Akademie d. Wissenschaften in Wien ... 1888. Oct.
*Publ.*: Feb 1888 (read 5 Jan 1888; January Heft S.B.; Bot. Centralbl. 19-20 Apr 1888; Bot. Zeit. 24 Feb 1888; Nat. Nov. Mai(1, 2) 1888; Flora rd. Apr 1888), cover-t.p., p. [1]-12, *1 pl. Copies*: B, G, M. – Reprinted and to be cited from S.B. Akad. Wiss. Wien

97(Abth. 1): 39-49. *1 pl.* 1888. – Extract in Anz. Akad. Wiss. Wien mat.-nat. Kl. 25: 10. 1888.

**17.316.** *Ueber Sesleria coerulea* L. ... Wien (Im Inlande besorgt durch A. Hölder, ...) 1888. Oct.
*Publ.*: late Jun 1888 (read 6 Jun 1888; Bot. Centralbl. 30 Jul-10 Aug 1888; orig. cover journal "Ende Juni 1888"; Nat. Nov. Aug(2) 1888), cover-t.p., p. [1]-8. *Copies*: B, FAS. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 38: 553-558. 1888. – "Vortragsbericht" in Bot. Centralbl. 35: 60. 1888.

**17.317.** *Pulmonaria Kerneri* spec. nov. ... Wien (Im Inlande besorgt durch A. Hölder, ...) 1888. Oct.
*Publ.*: Jul 1888 (read 6 Jun 1888; Bot. Centralbl. 30 Jul-10 Aug 1888), p. [1]-6, *pl. 13*. *Copies*: B, M. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 38: 559-662, *pl. 13*. 1888.

**17.318.** *Über die Compositen der österreichisch-ungarischen Flora* mit Zuckerabscheidenden Hüllschuppen ... Wien (aus der k.k. Hof- und Staatsdruckerei ...) 1888. Oct.
*Publ.*: Aug 1888 (read 12 Jul 1888; Bot. Zeit. 30 Nov 1888; Nat. Nov. Nov(1) 1888), cover-t.p., p. [1]-20. *Copies*: B, G. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 97 (Abth. 1): 570-589. 1888. – Extract: Anz. Akad. Wiss. Wien, mat.-nat. Kl. 25: 163-164. 1888.

**17.319.** *Pflanzen und Ameisen.* Ein Vortrag gehalten im Vereine zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien ... Wien (Selbstverlag des Vereines ...) 1889. Oct.
*Publ.*: Jun 1889 (read 16 Jan 1889; ÖbZ 1 Jul 1889), cover-t.p., p. [1]-21. *Copy*: B. – Reprinted and to be cited from Schr. Ver. Verbr. nat. Kenntn. Wien 29: 307-327. 1889.

**17.320.** *Pinus digenea* (P. nigra Arn. × montana Dur.) ... Separatabdruck aus der "Oesterr. botan. Zeitschrift ..." 1889. Oct.
*Publ.*: Mar 1889, p. [1]-3. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 39: 108-110. 1889.

**17.321.** *Beitrag zur Flora von Persien.* Bearbeitung der von J.A. Knapp im Jahre 1884 in der Provinz Adserbidschan gesammelten Pflanzen. Herausgegeben von ... Wettstein ... Aus den Verhandlungen der k.k. zoologisch-botanischen Gesellschaft in Wien ... 1889. Oct.
*Authorship*: p. 213: R. v. Wettstein (introduction as editor), p. 214-239: *Labiatae* by Heinrich Braun (1858-1920); p. 240-248 (not in reprint): *Salsolaceae*, *Amaranthaceae*, *Polygonaceae*, by Karl ["Carl"] Rechinger (1867-1952), see TL-2/8723. *Collector*: Joseph Armin Knapp (1843-1899).
*Publ.*: late Jun 1889 (read 6 Mar 1889; Heft 2 of journal volume publ. "Ende Juni 1889"; Bot. Centralbl. 13 Aug 1889, p. [1]-27, *pl. 6*. *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ver. Wien 39: [213]-239. 1889.

**17.322.** *Beitrag zur Flora des Orientes.* Bearbeitung der von Dr. A. Heider im Jahre 1885 in Pisidien und Pamphilien gesammelten Pflanzen ... Wien (aus der k.k. Hof- und Staatsdruckerei ...) 1889. Oct.
*Collector*: Adolf Heider (1858-1893).
*Publ.*: Mai 1889 (read 11 Apr 1889; Bot. Zeit. 29 Nov 1889; Nat. Nov. Nov(1) 1889), cover-t.p., p. [1]-51, *pl. 1-3*. *Copies*: B, G, HH. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 98(Abth. 1): 348-398. *pl. 1-3*. 1889.

**17.323.** *Die Gattungen Erysimum und Cheiranthus.* Ein Beitrag zur Systematik der Cruciferen ... Separatabdruck aus der "Oesterr. botan. Zeitschrift" ... 1889. Oct.
*Publ.*: Jul, Aug, Sep 1889 (in journal; Flora rd. Nov 1889; Nat. Nov. Feb(1) 1890), p. [1]-11, *1 pl. Copies*: B, G, M. – Reprinted and to be cited from Österr. bot. Z. 39: 243-247. Jul, 281-284. Aug, 327-330, *1 pl.* Sep 1889.
*Commentary*: G. Beck von Mannagetta, *Einige Bemerkungen zur systematischen Gliederung un-*

*serer Cruciferen*, Verh. zool.-bot. Ges. Wien 40(S.B.): 13-21. Reply Wettstein: *Erwiderung*, ib. 40(S.B.): 20-21. 5. März 1890 [publ. somewhat later], reprinted p. [1]-2. *Copy*: B.

**17.324.** *Zwei neue hybride Orchideen* ... Separatabdruck aus der "Oesterr. botan. Zeitschr." ... 1889. Oct.
*Co-author*: Gustav Sennholz (1850-1895).
*Publ.*: Sep 1889 (Flora rd. Nov-Dec 1889; Nat. Nov. Feb(1) 1890), p. [1]-3. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 39: 319-322. 1889.

**17.325.** *Untersuchungen über "Nigritella angustifolia* Rich." ... [Separatabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1889]. Oct.
*Publ.*: 28 Nov 1889 (in journal; Nat. Nov. Feb(1) 1890), p. [i, recto of 306], 306-317, *pl. 13*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 7(8): 306-317. 1889.

**17.326.** *Studien über* die Gattungen *Cephalanthera, Epipactis und Limodorum* ... Separatabdruck aus der "Oesterr. botan. Zeitschrift" ... 1889. Oct.
*Publ.*: Nov, Dec 1889 (in journal; Nat. Nov. Feb(1) 1890), p. [1]-13, *pl. 3*. *Copies*: B, M. – Reprinted and to be cited from Österr. bot. Z. 79: 395-399. Nov, 422-430. *pl. 3*. 1889.

**17.327.** *Die wichtigsten pflanzlichen Feinde unserer Forste* ... Wien (Commissionsverlag von Ed. Hölzel ...) 1890. Oct.
*Publ.*: 1890 (read 5 Feb 1890; Bot. Zeit. 26 Dec 1890; Nat. Nov. Mai(2) 1890), cover-t.p., p. [1]-33. *Copies*: B, HH. – Reprinted and to be cited from Schr. Ver. Verbr. naturw. Kenntn. Wien 30(10): 277-309. 1890.

**17.328.** *Ueber das Vorkommen von Trochobryum carniolicum* in Südserbien ... Separat-Abdruck aus der "Oesterr. botan. Zeitschr." ... 1890. Oct.
*Publ.*: Apr 1890, p. [1-2]. *Copies*: B, FAS. – Reprinted and to be cited from Österr. bot. Z. 40: 170-171. 1890.

**17.329.** *Eine neue Sambucus-Art aus dem Himalaya* ... Separat-Abdruck aus der "Oesterr. botan. Zeitschrift" ... 1890. Oct.
*Publ.*: Jun 1890, p. [1]-5, *pl. 2*. *Copies*: B, G, M. – Reprinted and to be cited from Österr. bot. Z. 40: 230-234, *pl. 2*. 1890.

**17.330.** *Zur Morphologie der Staminodien von Parnassia palustris* ... [Ber. deut. bot. Ges. 1890]. Oct.
*Publ.*: 26 Nov 1890 (in journal; p. 304: 31 Oct 1890), cover, p. [i, recto of 304], 304-309, *pl. 18*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 8(8): 304-309, *pl. 18*. – Preliminary notice in Vortr.-Ber. Verh. zool.-bot. Ver. Wien 40(S.B.): 63. 1890.

**17.331.** *Untersuchungen über die Section "Laburnum"* der Gattung Cytisus ... Separatabdruck aus der "Oesterr. botan. Zeitschrift" ... 1890 u. 1891. Oct.
*Publ.*: Nov 1890-Aug 1891 (in journal), p. [1]-21, *pl. 14*. *Copies*: B, M. – Reprinted and to be cited from Österr. bot. Z. 40: 395-399. Nov, 435-439. *pl. 14*. Dec 1890, 41: 127-130. Apr, 169-173. Mai, 261-265. Aug 1891.

**17.332.** *Die Omorika-Fichte*, Picea Omorica (Panč.). Eine monographische Studie ... Wien (aus den k.k. Hof- und Staatsdruckerei ...) 1891. Oct.
*Publ.*: Jan 1891 (cover-t.p. 1891; December Heft S.B. issued Jan 1891; paper read 4 Dec 1890; Bot. Z. 28 Aug 1891; Nat. Nov. Mai(2) 1891), cover-t.p., p. [1]-55, *pl. 1-5*. *Copies*: B, G, HH, M, NY. – Reprinted and to be cited from S.B. Akad. Wiss. Wien 99(1): 503-557, *5 pl.* 1881.
*Preliminary notes and extracts*: Verh. zool.-bot. Ver. Wien 40(S.B.): 45-46, 64-65. 1890; Österr. bot. Z. 41: 76-77. Feb 1891; Anz. Akad. Wiss. Wien mat.-nat. Kl. 27: 257-258. 1890; Bot. Centralbl. 43: 173. 1890, 47: 43-44. 1891.

**17.333.** D. Günther Ritter Beck v. Mannagatta: *Flora von Niederösterreich* ... Separat-Abdruck aus der "Oesterr. botan. Zeitschrift." ... 1891. Oct.

*Note*: A critical review of G. Beck's Fl. Nieder-Österreich, part 1, (see TL-2/383) publ. 25 Nov 1890.
*Publ.*: Jan, Feb 1891 (in journal), p. [1]-13. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 41: 21-29. Jan, 65-69. Feb 1891. – Beck replied ib. 41: 95-103. Mar 1891; rejoinder by Wettstein ib. 41: 104-105. Mar 1891.

**17.334.** *Der Bernstein und die Bernsteinbäume* ... Wien (Commissionsverlag von Ed. Hölzel ...) 1891. Oct.
*Publ.*: Jun 1891 (read 4 Feb 1891; ÖbZ for Jun 1891), cover-t.p., p. [1]-26, *pl. 1-2*. *Copy*: B. – Reprinted and to be cited from Schr. Ver. Verbr. naturw. Kenntn. Wien 31(10): 363-386. 1891.

**17.335.** *Untersuchungen über Pflanzen der Österreichisch-ungarischen Monarchie* ... I. Die Arten der Gattung *Gentiana* aus der Section "Endotricha" Fröl. ... 1891-1892. Oct.
*1*: Nov 1891-Jul 1892 (in journal), cover-t.p., p. [1]-35, [36], *pl. 3*. *Copies*: B, FAS, G. – Reprinted and to be cited from Österr. bot. Z. 41: 367-370, *pl. 3*. Nov 1891, 42: 1-6. Jan, 40-45. Feb, 84-88. Mar, 125-130. Apr, 156-161. Mai, 193-196. Jun, 229-235. Jul 1892.
*2*: see below, Die Arten der Gattung *Euphrasia*. 1894.

**17.336.** *Beitrag zur Flora Albaniens* ... Bearbeitung der von J. [recte I.] Dörfler im Jahre 1890 im Gebiete des Šar-Dagh gesammelten Pflanzen ... Cassel (Verlag von Theodor Fischer). Qu. (*Beitr. Fl. Alban.*).
*Publ.*: 1892, in three parts. *Copies*: B, BR, G (orig. cov.), HH, NY, PH; IDC 9239 (45-46), p. [ii-v], [1]-103. *pl. 1-5* (uncol. liths. A. Wimmer and Teuchmann). – Bibliotheca botanica Heft 26.
*Lief. 1*: Feb 1892 (Nat. Nov. Mar(2) 1892), cover-t.p., p. [1]-16.
*Lief. 2*: Mar 1892 (Bot. Centralbl. 24 Mai 1892; Bot. Zeit. 24 Jun 1892; ÖbZ 1 Mai 1892; Nat. Nov. Apr(2) 1892), cover-t.p., p. 17-40.
*Lief. 3*: Jun 1892 (Bot. Centralbl. 26 Jul 1892; Bot. Zeit. 19 Jul 1892; ÖbZ for Jun 1892; Nat. Nov. Jul(2) 1892), cover-t.p., p. 41-103, [ii-iv], *pl. 1-5*.
*Ref.*: Fritsch, K., Bot. Centralbl. Beih. 3(2): 123-126. 1893 (rev.).

**17.337.** *Ueber die Systematik der Solanaceae* ... Separatabdruck aus den Sitzungsberichten der k.k. zoolog.-botanischen Gesellschaft in Wien ... 1892. Oct.
*Publ.*: late Mar 1892 (in journal; Nat. Nov. Oct(2) 1892), p. [1]-4. *Copy*: B. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 42(S.B., 1): 29-33. 1892. – Also published Bot. Centralbl. 50: 196-200. 11 Mai 1892.

**17.338.** *Die Flora der Balkanhalbinsel* und deren Bedeutung für die Geschichte der Pflanzenwelt ... [Wien (Druck und Verlag von Adolf Holzhausen) 1892]. Oct.
*Publ.*: 15 Aug 1892 (in journal; Bot. Centralbl. 21 Sep 1892; Bot. Zeit. 1 Jan 1893; Nat. Nov. Oct(2) 1892), p. [1]-4. *Copy*: G. – Reprinted and to be cited from Monatsbl. wiss. Club Wien 3(11): 136-140. 1892.

**17.339.** *Neuere Bestrebungen auf dem Gebiete der botanischen Nomenclatur* ... Separat-Abdruck aus der "Oesterr. bot. Zeitschrift" ... 1892. Oct.
*Publ.*: Sep 1892, p. [1]-10. *Copies*: FAS, G. – Reprinted and to be cited from Österr. bot. Z. 42: 297-306. 1892.
*Appendix*: Sep 1892, Wettstein notes on p. 306 of the journal issue that he received a document from P. Ascherson on this same subject and reproduces an abstract of it on p. 306-327: *Vorläufiger Bericht* über die von Berliner Botanikern unternommenen Schritte zur Ergänzung der "Lois de la nomenclature botanique".
*Note*: Contains proposals by K. Fritsch, A. v. Kerner and R. v. Wettstein to accept a 1753 starting point, to reject nomina nuda and seminuda, and to preserve similar names which differ only in the ending. v. Wettstein supports also the establishment of a list of nomina conservanda et rejicienda. – See also R. Wettstein, *Die gegenwärtige Bewegung zur Regelung der botanischen Nomenclatur*, Österr. bot. Z. 45: 81-87. 1895.

**17.340.** *Die fossile Flora der Höttinger Breccie* ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1892. Qu. (*Foss. Fl. Hötting. Breccie*).
*Publ.*: late 1892 (Bot. Zeit. 1 Feb 1893; Bot. Centralbl. 15 Feb 1893), p. [1]-48, *pl. 1-7*. *Copy*: W. – Preprinted or reprinted from Denkschr. mat.-nat. Cl. Akad. Wiss., Wien 59: 479-524. 7 *pl.* – *Extracts*: Anz. Akad. Wiss. Wien, mat.-nat. Cl. 29: 159-160. 1894 also in Bot. Centralbl. 51: 143. 1892; Z. deut. österr. Alpenver. 23: 29-44. 1892.

**17.341.** *Die gegenwärtige Aufgaben der botanischen Systematik*. Antrittsvorlesung gehalten am 24. October 1892 an der k.k. deutschen Karl Ferdinands-Universität in Prag ... Prag (F. Tempsky), Wien (id.), Leipzig (G. Freytag) 1893. Oct.
*Publ.*: Dec 1892 (ÖbZ for Dec 1892; Bot. Centralbl. 11 Jan 1893; Bot. Zeit. 1 Mar 1893; Flora rd. by 21 Feb 1893; Nat. Nov. Jan(1) 1893), cover-t.p., p. [1]-14. *Copies*: B, M.

**17.342.** *Ueber das Androeceum von Philadelphus* ... Sonderabdruck aus den Berichten der deutschen botanischen Gesellschaft ... 1893. Oct.
*Publ.*: 23 Nov 1893 (in journal), cover, p. [i, recto of 480], [480]-484, *pl. 24*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 11(8): 480-484, *pl. 24*. 1893.

**17.343.** *Die geographische und systematische Anordnung der Pflanzenarten* ... Verhandlungen der Gesellschaft Deutscher Naturforscher und Aerzte. Nürnberg 1893 [1894]. Oct.
*Publ.*: 1894 (Bot. Centralbl. 24 Jul 1894), p. [1]-4. *Copy*: B. – Reprinted and to be cited from Verh. Ges. deut. naturf. Aerzte 2(1): 145-148. 1894.

**17.344.** *Über einige bemerkenswerthe botanische Entdeckungen* der jüngsten Zeit ... Wien (Selbstverlag des Vereines zur Verbreitung naturwissenschaftlicher Kenntnisse ...) 1894. Oct.
*Publ.*: 1894 (Nat. Nov. Aug(1) 1894), p. [1]-26. *Copy*: B. – Reprinted and to be cited from Schr. Ver. Verbr. naturw. Kenntn. Wien 34(2): 41-66. 1894.

**17.345.** *Die botanischen Anstalten Wiens*. Festschrift der Oesterreichischen botanischen Zeitschrift, ... Wien (Druck und Verlag von Carl Gerold's Sohn) 1894. Oct. (*Bot. Anst. Wiens*).
*Authorship*: Editor: R. v. Wettstein; Bot. Mus. & Gard.: K. Fritsch; Schönbrunn: A. Umlauft; Bot. Dept. naturh. Hofmus.: G. v. Beck, A. Zahlbruckner; plant physiology: F. Krasser.
*Publ.*: Sep 1894 (p. [iii]: Sep 1894; Nat. Nov. Sep(1) 1894), p. [i-iv], 1-85. *Copies*: HH, NY; IDC 8766. – Issued on the occasion of the 66. Versammlung deutscher Naturforscher und Aerzte in Wien 1894.

**17.346.** *Globulariaceae* ... Leipzig (Wilhelm Engelmann) 1895. Oct.
*Publ.*: 12 Mar 1895 (in Engler & Prantl, Nat. Pflanzenfam.), cover-t.p., p. [i, recto of p. 270], [270]-273. *Copy*: B. – Reprinted and to be cited from Engler & Prantl, Nat. Pflanzenfam. 4(3b): [270]-273. 1895.

**17.347.** *Globulariaceen-Studien* ... Genève (Imprimerie Romet, ...) 1895. Oct.
*Publ.*: Jun 1895 (in journal; Nat. Nov. Aug(1) 1895), p. [1]-20, *pl. 7*. *Copies*: B, BR, G, M. – Reprinted and to be cited from Bull. Herb. Boiss. 3(6): 271-290, *pl. 7*. 1895.

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BIOFILE: Anon., Bot. Zeit. 4: 847. 1846 (obit. not.); Flora 30(1): 16. 1847 (id.); Gartenflora 7: 361. 1858.

**17.391.** *Plantae medicinales* oder Sammlung offizineller Pflanzen mit lithographischen Abbildungen von A. Henry und Beschreibungen von M.F. Weyhe ... Dr J.W. Wolter ... fortgesetzt von Dr. Th.Fr.L. Nees v. Esenbeck ... Düsseldorf (in der lithographischen Anstalt Arnz & Co) 2 vols. and suppl. 1828-1833. Fol. (*Pl. medicin.*).
*1*: 1828 (t.p. so dated, possibly published in parts, p. [vi]: Jun 1828), p. [i-xiv], *pl. 1-25* with each 2 p. text. – *Plates*: NI cites 214 pl.; the copy at BR has the following plates: *1a, 1b, 2a, 2b, 3-24, 24*, 25-32, 33a, 33b, 34a, 34b, 34c, 35-46, 47a, 48, 49, 49b, 50-51, 52a, 52b, 53-56, 57a, 57b, 58-64, 65a, 65b, 66-75, 76a, 76b, 77-89, 90a, 90b, 91-98, 99a-b, 99c-e, 100-115, 116a, 116b, 117-119, 120a, 120b, 121-130, 131a, 131b, 132-143, 144a, 144b, 145a, 145b, 146a, 146b, 147-155, 156a, 157-162, 163a, 163b, 164a, 164b, 165a, 166-172, 173a, 173b, 174-177, 178a, 178b, 179-182, 183a, 183b, 184-185, 186a, 186b, 186c, 187b, 188a, 188b, 188c, 189, 190a, 190b, 191a, 191b, 191c, 192-196, 197a, 197b, 198-200, 201a, 201b, 202a, 202b, 203-227, 228a, 228b, 229-242, 243a, 243b, 244-253* (col. liths.).
*2*: 1828 (id.), p. [i-iv], *pl. 254a-494* with each 2 p. text. *Plate*: NI cites *218 pl.*; copy at BR: *254a, 254b, 255-268a, 268b, 268c, 269-270, 271a, 271b, 272-273, 274a, 274b, 275-283, 284a, 284b, 285-295, 296a, 296b, 297-301, 302a, 302b, 303-315, 31a, 316b, 317-319, 20a, 320b, 321-361, 362a, 362b, 362c, 363-387, 388a-388b, 389-398, 399a, 399b, 400-404, 405a, 405b, 406-411, 412a, 412b, 413a, 413b, 414-418, 419a, 419b, 420-428, 429a, 430-433, 434a, 434b, 435-447, 448a, 448b, 449-476, 477a, 437b, 478, 479a, 479b, 480-494*, i-iv indexes.
*Supplement*: 1833, p. [i-viii], *120 pl.* (col. liths.) with 2 p. text each. – *Icones plantarum medicinalium* oder Sammlung officineller Pflanzen mit lithographirten Abbildungen und Beschreibungen von dr. Th.Fr.L. von Nees v. Esenbeck ... Erster Supplementband mit 120 Tafeln. Düsseldorf (bei Arnz & Comp.).
*Copies*: BR (copy on which our analysis of vols. 1-2 is based), G (copy with supplement), MICH, U, USDA. – See also NI 1442 and 1443. The copies seen by us have either Latin or German t.p.'s or both.

**Weyl, Carl Friedrich** (1792-1872), German (East-Prussian) botanist and high school teacher; at the Friedrichs-Kolleg in Königsberg i. Pr. 1814, at the Rastenburger Gymnasium from 1817-1858. (*Weyl*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Herder p. 190; PR 10208; Rehder 1: 382.

BIOFILE: Caspary, J.X.R., Festschr. 50-j. Preuss. bot. Ver. 284. 1912 (curr. vit.).

**17.392.** Jahresbericht des Königl. Gymnasiums zu Rastenburg womit zur öffentlichen Prüfung der Schüler und zur Abiturienten-Entlassung am 27. und 28. September ergebenst einladet J.W.G. Heinicke, ... 1. Epilogus anni ... vom Director. 2. *Beitrag zur Flora Preussens*: Die in der Umgegend Rastenburgs und in angrenzenden Masuren vorkommenden seltneren Pflanzen; von Oberlehrer Weyl. 3. Schulnachrichten; vom Director. Rastenburg (Gedruckt bei August Haberland) 1847. Qu. (*Beitr. Fl. Preuss.*).
*Publ.*: 1-26 Sep 1847, p. [i]-viii (Epilogus), [1]-8 (Beitrag Weyl), 9-20 (Schulnachrichten). *Copies*: MO (complete), NSUB (p. [i], [1]-8).

**Weyland, Hermann [Gerhard]** (1888-1974), German (Rheinland) paleobotanist; studied pharmacy 1906-1909; at the University of Jena 1909-1912; Dr. phil. ib. (with E. Stahl) 1912; assistant at Leipzig University with W. Pfeffer 1912-1913; id. Jena with L. Knorr 1913-1914; chemist with Farbenfabr. Bayer, Wuppertal-Elberfeld 1915-1952, from 1924 as head of the physiological laboratory; interim director Bot. Inst. Köln Univ. 1945-1948. (*Weyl.*).

HERBARIUM and TYPES: Senckenberg-Museum, Frankfurt a.M.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 347-348; Barnhart 3: 482; BFM 2186; Biol.-Dokum. 19: 9989-9990; GR p. 172; NI 3: 35; SBC p. 135; TL-2/3906, see W.H.E.F. Gothan.

BIOFILE: Andrews, H.N., The fossil hunters 323-324. 1980.
Anon., Brit. Mus. gen. cat. print. books 256: 118. 1965; Cat. gén. livr. impr. Bibl. natl. 222: 111. 1975.
Arditti, J., ed., Orchid biol. 1: 298 (index). 1977.
Gothan, W., Palaeontographica B-95: 1-5. 1953 (biogr. sketch, bibl.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 787. 1984.
Oberschelp, R., ed., Gesamtverz. deutschspr. Schriftt. 1911-1965. 144: 189. 1981.
Poggendorff, Biogr.-lit. Handwörterb. 7a(4): 968-970. 1962 (bibl.).
Schaarschmidt, F., Natur und Museum 104: 196. 1975 (d. 20 Jan 1974).
Schmid, G., Goethe u.d. Naturw. 3664. 1900.
Verdoorn, F., Manual Pteridology 639 (index). 1938.

COMPOSITE WORKS: (1) With R. Kräusel, *Die Flora des böhmischen Mitteldevons* 1933, TL-2/3906.
(2) With W. Gothan, *Lehrbuch der Paläobotanik* 1953, eds. 2 and 3, revised by Weyland, 1964, 1972.

FESTSCHRIFT: Festschrift zum 80. Geburtstag von Profesor Dr. Hermann Weyland, ed., K. Kilpper & H.J. Schweitzer. Stuttgart 1968, vi, 256 p., *52 pl.* (Palaeographica 123-B). – See also 95-B: 1-5. 1953.

EPONYMY: *Weylandicutis* W. Schneider (1969); *Weylandites* D.C. Bharadwaj et S.C. Srivastava (1969). *Note*: *Weylandipollis* K. Takehashi (1964) probably also honors Weyland but the eponymy could not be determined.

**17.393.** *Fährten aus dem Mitteldevon* von Eberfeld ... Senckenbergiana 1922. Oct.
*Co-author*: Ernst Budde.
*Publ.*: 30 Sep 1932, cover-t.p., p. [259]-273. *Copy*: U. – Reprinted and to be cited from

Senckenbergiana 14: [259]-273. 1932. – Preliminary publ.: Die Flora des Elberfelder Mitteldevons ... Jahresber. Naturw. Ver. Elberfeld 15: 33-47. 1925.

**17.394.** *Beiträge zur Kenntnis der rheinischen Tertiärflora* 1-7, 1934-1948. Qu.
*1*: 1934, Abh. Preuss. Geol. Landesanst. ser. 2. 161: [1]-122. *pl. 1-22.* – Floren aus den Kieseloolith- und Braunkohlenschichten der niederrheinischen Bucht. *Copy*: US.
*2*: 1937, cover-t.p., p. [67]-122, *pl. 9-14. Copy*: Heerlen. – Reprinted and to be cited from Palaeontographica 83B: [67]-122, *pl. 9-14.* 1937. – 2. Erste Ergänzungen und Berichtigungen zur Flora der Blätterkohle ...
*3*: 1938, cover-t.p., p. [123]-171, *pl. 15-23. Copy*: Heerlen. – Id. 83B: [123]-171, *pl. 15-23.* – 3. Zweite Ergänzungen ...
*4*: 1940, Palaeontographica 84B: [103]-116, *pl. 4-5.* 1940. *Copy*: Heerlen. – 4. Die Flora der "liegenden tonigen und quarzigen Schichten" ...
*5*: 1941, cover-t.p., p. [79]-112, *pl. 16-27. Copy*: Heerlen. – Id. 86B: [79]-112, *pl. 16-27.* 1941. – 5. Dritte Ergänzungen ...
*6*: 1943, Palaeontographica 87B: [94]-136. *pl. 16-26.* 1943. – 6. Vierte Ergänzungen ...
*7*: 1948, cover-t.p., p. [113]-188, *pl. 18-23. Copy*: Heerlen. – Id. 88B: [113]-188, *pl. 18-23.* 1948. – Fünfte Ergänzungen ...

**Weymayr, Thassilo** (*fl.* 1867), Austrian botanist and high school teacher at Graz, member of the Stift Admont. (*Weymayr*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2204; PR 10211; Rehder 1: 441.

BIOFILE: Burgerstein, A., Österr. bot. Z. 36: 131. 1886.
Maly, J.K., Fl. Steyermark ix. 1868.
Weymayr, Th., Der Tourist in Admont, historisch-topographische Skizze ... Wien 1873, iv, 90 p.

**17.395.** Jahresbericht des kaiserl. königl. Ober-Gymnasiums zu Graz. Veröffentlicht am Schlusse des Studien-Jahres 1867 von Director ... Inhalt a) *Die Gefässpflanzen der Umgebung von Graz.* Vom Professor Thassilo Weymayr. b) Schulnachrichten. Vom Direktor [sic]. Graz (Druck und Papier von Jos. A. Kienreich ...) [1867]. Qu. (*Gefässpfl. Graz*).
*Publ.*: Summer 1867, cover-t.p., p. [1]-49 (Weymayr), [50]-70 (Direktor). *Copies*: B (p. [1]-49), HH (compl.), MO (compl.).
*Nachträge*: 1868, id. in Jahresbericht 1868, p. 27-29.

**Weymouth, William Anderson** (1842-1928), Australian (Tasmanian) bryologist. (*Weymouth*).

HERBARIUM and TYPES: HO and NSW. – Further material at B (mainly destr.), BM, E, H, K, NY, OXF, S.
*Exsiccatae*: *Musci Tasmaniae exsiccati*, 3 Half-centuries 1907, 1913, 1915, nos. 1-150. Sets at BM, FH, MEL, NY. – *Letters*: 46 letters to Brotherus at H-UB; further letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 482; Clokie p. 263; CSP 19: 568; SBC p. 135; Urban-Berl. p. 317.

BIOFILE: Levier, T., Rev. bryol. 34: 80. 1907 (contents exsicc. 1-50).
Ramsay, H.P., Taxon 29: 457-458. 1980.
Sayre, G., Mem. New York Bot. Gard. 19(3): 413. 1875 (coll.); Bryologist 80: 520. 1977 (coll.).
Wetmore, C.M., Rev. bryol. lichenol. 32: 229. 1963.
Willis, J.H. et al., Austral. plant coll. delineators 1780's to 1980's 59. 1984.

EPONYMY: *Weymouthia* V.F. Brotherus (1906).

**17.396.** *Some additions to the moss flora of Tasmania* ... [Pap. Proc. R. Soc. Tasmania 1894].

*Part* [*1*]: Jun 1894, p. [1]-11, [13], *pl. 4-5*. *Copy*: H. – Reprinted and to be cited from Pap. Proc. R. Soc. Tasmania 1893: 200-211, *pl. 4-5*. 1894.
*Part 2*: Aug 1896, p. [15]-29. *Copy*: H. – Id. 1894-1895: 106-120. 1896.

**Wheeler, Charles Fay** (1842-1910), American botanist; studied medecine at the University of Michigan 1866-1867; had a drug and book store at Hubbardston, Michigan 1867-1889; instructor at Michigan Agricultural College, 1889-1895, assistant professor and consulting botanist to the Experiment Station of the College 1892-1902; expert in charge of economic gardens at the Bureau of Plant Industry, USDA 1902-1910. (*C.F. Wheeler*).

HERBARIUM and TYPES: Original herbarium, ca. 7000 specimens, destroyed by fire at MSC in March 1890; later material mainly at MSC; other material at EMC, F, MICH, MSC, US. – *Manuscripts* and *letters* at GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 483 (b. 14 Jun 1842); BJI 1: 189, 323; BM 5: 2305; Bossert p. 433 (d. 5 Mar 1910); CSP 19: 571; IH (ed. 6): 366, (ed. 7): 345; LS 40527; Morren ed. 10, p. 124; NW p. 61; Rehder 5: 916; TL-2/see E.F. Smith; Tucker 1: 742.

BIOFILE: Anon., Amer. men sci. ed. 1. 342. 1906; Bot. Centralbl. 41: 72. 1890 (asst. Mich. Agric. Coll.); Bot. Zeit. 48: 704. 1890 (herb. lost in fire); Hedwigia 50: (89). 1910 (d.).; Index Amer. bot. lit. 1886-1966. 4: 506. 1969; Science ser. 2. 31: 410. 1910 (d. 5 Mar 1910); Torreya 10: 75. 1910 (d. 5 Mar 1902).
Beal, W.J., Bot. Gaz. 15: 126. 1890 (Wheeler herb. lost in fire), Rep. Mich. Acad. Sci. 12: 14-15. 1910 (obit., portr.).
Voss, E.G., Contr. Univ. Mich. Herb. 13: 72-73, 80-81, 86-89. 1978 (portr. on p. 87).
Voss, E.G. & G.E. Crow, Mich. Botanist 15(1): 3-70. 1976 (across Michigan by covered wagon: a botanical expedition in 1888).
Wight, W.F., Science ser. 2. 32: 72-75. 1910 (obit.).

**17.397.** *Catalogue of the phaenogamous and vascular cryptogamous plants of Michigan*, indigenous, naturalized, and adventive ... Lansing (W.S. George & Co. ...) 1881. Oct. (*Cat. phaen. crypt. pl. Mich.*).
*Junior author*: Erwin Frink Smith (1854-1927), see TL-2/ 5: 669-670.
*Publ.*: Aug 1881 (p. 8: 30 Jan 1881; TBC Oct 1881; Bot. Gaz. Aug 1881; Bot. Zeit. 28 Oct 1881; J. Bot. Sep 1881; Nat. Nov. Sep(2) 1881), cover, p. [1]-105, map. *Copies*: HH, MICH, NY, PH, US, USDA, E.G. Voss.

**17.398.** *Michigan flora*. Prepared for the thirtieth Annual report of the secretary of the State Board of Agriculture ... Michigan (Agricultural College) [1892]. Oct. (*Mich. fl.*).
*Senior author*: William Jackson (1863-1947) (junior in years).
*Publ.*: 1892 (p. 4: 25 Apr 1892; Bot. Centralbl. 31 Aug 1892; Hedwigia Sep-Oct 1892; Bot. Gaz. Sep 1892), p. [1]-180, map, *Copies*: HH, MICH.
*Additions to the Michigan flora since 1892*: 1898, p. [1]-12. *Copy*: HH. – Reprinted from Rep. Bot. Dept. State Agr. Coll. Mich., 1898: 3-12 (for year closing 30 Jun 1898).

**Wheeler, James** (*fl.* 1763), British nurseryman at Gloucester. (*J. Wheeler*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BB p. 323; Desmond p. 653; Henrey 3: no. 1493; SO 647; Tucker 1: 742.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 256: 299. 1965; Cat. gén. livr. impr. Bibl. natl. 222: 221. 1975.
Loudon, J.C., Encycl. gardening 1273. 1822.

**17.399.** *The botanist's and gardener's new dictionary*; containing the names, classes, orders, generic characters, and specific distinctions of the several plants cultivated in England,

according to the system of Linnaeus; directing the culture of each plant, describing its singular virtues and uses, and explaining the terms peculiar to botany and gardening. In which is also comprised a gardener's calendar, divided alphabetically, according to the names of the twelve months of the year, directing the whole practice of gardening in the flower-garden, the seminary, the fruit-garden, the kitchen-garden, the green-house, and the stove. And to which is prefixed an introduction to the Linnaean system of botany, explaining the theory of that system, and the names and characters of all its classes and orders ... London (printed for W. Strahan ...) 1763. Oct. (*Bot. gard. new dict.*).
*Publ.*: 1763, p. [i]-viii, i-xxxi, [1]-480, *pl. 1* (sex. syst.). *Copies*: BM, HH, KU, MO, USDA.

**Wheeler, James Lowe** (*fl.* 1830-1870), British botanist; demonstrator at the Chelsea Physic Garden 1821-1834. (*J.L. Wheeler*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 484; BB p. 323; BM 5: 2305; Desmond p. 653; Jackson p. 410; PR 10212; Rehder 1: 54; Tucker 1: 742.

BIOFILE: Semple, R.H., Mem. Bot. Gard. Chelsea 164-168. 1878.

**17.400.** *Catalogus rationalis plantarum medicinalium*, in horto Societatis pharmaceuticae Londinensis, apud vicum Chelsea, cultarum ... Londini (ex Typographia Gulielmi Tyler, ...) 1830. Oct. (in 4-s). (*Cat. pl. med.*).
*Publ.*: 1830, p. [i], [1]-140. *Copies*: HH, NY.

**Wheeler, Louis Cutter** (1910-1980), American botanist; A.B. Univ. Calif., Los Angeles 1933; M.A. Claremont 1934; Dr. phil. Harvard 1939; instructor in botany, Univ. Missouri 1939-1940; id. The American University, Washington, D.C. 1940-1941; id. University Pennsylvania 1941-1942; asst. technologist Guayule Rubber project 1943-1944; research assistant Cal. Tech. 1945; with University of Southern California, asst. prof. botany 1945-1947, assoc. id. 1947-1956, head Dept. Bot. 1945-1953; ultimately regular professor of botany; specialist on Euphorbiaceae. (*L.C. Wheeler*).

HERBARIUM and TYPES: Types at DS, GH, LAM, POM, UC, US; collections LAM, dupl. A, BR, CAS, CI, CPH, DPU, DS, E, F, FH, GH, K, NA, NO, NY, OKLA, PH, POM, RSA, UC, US, USFS, WELC, Z. – *Letters* at G and NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 484 (b. 2 Aug 1910); Bossert p. 433; GR p. 253; Hortus 3: 1207; IH 1 (ed. 4): 104, (ed. 5): 109, (ed. 6): 158; Langman p. 800; Lenley p. 431; MW suppl. p. 394; NW p. 61; Roon p. 123; SIA 7097.

BIOFILE: Anon., Amer. men sci. eds. 7-10, 1944-1955; Index Amer. bot. lit. 1886-1966. 4: 507-508. 1969.
Ewan, J., Taxon, 32(4): 545-548. 1983 (biogr., portr.; d. 14 Aug 1980).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 788. 1985.
Verdoorn, F., ed., Chron. bot. 3: 293, 362. 1937, 4: 224, 564, 565, 567. 1938, 5: 370, 371, 508. 1939, 6: 93. 1941.
Wheeler, L.C., Autobiographical material relating to Louis Cutter Wheeler, Nov 1936, 8 p. (mimeographed; cur. vit., bibl.); personal communication to senior author, giving location of types and herbarium collections, 1956.

COMPOSITE WORKS: 324 entries on *Euphorbiaceae*, *in* E. Farr et al., *Index nominum genericorum*, Utrecht 1979 (see p. xix).

**17.401.** *Euphorbia in the Pacific States* ... Reprinted from the Bulletin of the Southern California Academy of Sciences ... 1936. Oct.
*Publ.*: Mai-Aug 1936, p. 127-147. *Copy*: NY. – Reprinted and to be cited from Bull. S. Calif. Acad. Sci. 35(2): 127-147. 1936.

**17.402.** *Revision of the Euphorbia polycarpa group* of the Southwestern United States and adjacent Mexico; a preliminary treatment ... Separately printed ... from Bulletin of the Torrey Botanical Club ... 1936. Oct.
*Publ.*: 1 Oct and 3 Nov 1936 (in journal), p. 397-416, 429-450. *Copy*: NY. – Reprinted and to be cited from Bull. Torrey bot. Club 63: 397-426. 1 Oct, 429-450. 3 Nov 1936.

**17.403.** *A miscellany of New World Euphorbiaceae* ... Reprinted from Contrib. Gray Herb. ... 1939. Oct.
*Publ.*: 16 Feb 1939, p. [35]-52. *Copy*: NY. – Reprinted and to be cited from Contr. Gray Herb. 124: 35-52. 1939.
*Second part*: 25 Oct 1939, p. [48]-78, *pl. 3-4*. *Copy*: NY. – Id. 127: 48-78. *pl. 3-4*. 1939.

**17.404.** *Dichapetalaceae et Euphorbiaceae novae* ... Proceedings of the Biological Society of Washington ... 1940. Oct.
*Publ.*: 16 Feb 1940, p. 7-12. *Copy*: B. – Reprinted and to be cited from Proc. Biol. Soc. Washington 53: 7-12. 1940.

**17.405.** *Pedilanthus and Cnidoscolus* proposed for conservation .... Reprinted ... from Contrib. Gray Herb. ... 1939. Oct.
*Publ.*: 16 Feb 1939, p. 47-52. *Copies*: FAS, U. – Reprinted and to be cited from Contr. Gray Herb. 124: 47-52. 1939.

**17.406.** Notes and discussions. *Additions and amendments to the International Rules of Botanical Nomenclature* ... Reprinted from "The American Midland Naturalist" ... 1939. Oct.
*Publ.*: Mar 1939, p. [i, recto of 526], [526]-529. *Copies*: FAS, U. – Reprinted and to be cited from Amer. Midl. Natural. 21(2): [526]-529. 1939. "In view of some of the past disastrous consequences of oral amendments to proposals before the botanical congress, it might be well to require any amendments proposed must be submitted in printed or typewritten form at least the day before the Section on Nomenclature meets" [Note by F.A.S.: This was written in 1939, not after 1981].

**17.407.** *Euphorbia subgenus Chamaesyce* in Canada and the United States exclusive of Southern Florida ... [Rhodora ... 1941]. Oct.
*Publ.*: Apr-Jun 1941 (in journal), p. [97]-154, [168]-204, [223]-286, *pl. 654-668*, 44 maps. *Copies*: HH, U, US. – Contr. Gray Herb. 136. Reprinted and to be cited from Rhodora 43: 97-154, *pl. 654-656*. 6 Apr, 168-205, *pl. 657-664*. 9 Mai, 223-284, *pl. 665-668*. Jun 1941.

**Wheeler, William Archie** (1876-1968), American agriculturist, marketing specialist and botanist; M.S. Univ. Minnesota 1901; instructor in botany ib. 1898-1903; professor of botany and head of the department, South Dakota State College 1903-1907; with Dakota Improved Seed Co., Mitchell 1907-1916; in charge of seed marketing, Bureau of Markets USDA 1916-1919, in charge of marketing information ib. 1920-1922; chief hay, feed and seed division Bureau Agr. Economics 1922-1939; in charge of seed supplies Lend-Lease adm. World War II 1941-1946; director of agricultural research Field Seed Inst. N.A. from 1946. (*W.A. Wheeler*).

HERBARIUM and TYPES: MIN. – Field notes: MIN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 484 (b. 28 Jun 1876); BL 1: 193, 323; LS 40531; NW p. 61; Rehder 1: 327; SIA (see index); Tucker 1: 742.

BIOFILE: Anon., Amer. men sci. eds. 1-11. 1906-1967; Bot. Centralbl. 79: 208. 1899 (app. Univ. Minnesota, err. "W.H. Wheeler"); Index Amer. bot. lit. 1886-1966. 4: 508. 1969; Natl. Cycl. Amer. biogr. 58: 641. 1979 (d. 8 Oct 1968); Who's who Amer. 12-27. 1922-1953; Who was who Amer. 5: 772. 1969-1973.
Williamson, S.H., Who's who Nation's Capital 1934-1935: 949.

NOTE: William Morton Wheeler (1865-1937), American entomologist, professor of entomology at the Bussey Institution of Harvard University 1908-1944 published *The Flora*

*of Milwaukee County*, Proc. Nat. Hist. Soc. Wisconsin 1885-1889: 154-190. 1888, 229-231. 1889 and *Studies of neotropical ant-plants* and their ants, Bull. Mus. Comp. Zool. Harvard 90(1): 2-262, *pl. 1-57*. Oct. 1942.

**17.408.** *A contribution to the knowledge of the flora of Southeastern Minnesota* ... Reprinted ... from Minnesota Botanical Studies ... 1900. Oct.
*Publ.*: 15 Aug 1900 (date on cover-t.p.), cover-t.p., p. 353-416, *pl. 21-27*. *Copies*: B, HH, NY. – Reprinted and to be cited from Minnesota botanical studies 2 (Bot. Ser. 4): 353-416, *pl. 21-27*. 1900 (journal issue: BR).

**17.409.** *A contribution to the knowledge of the flora of the Red River valley in Minnesota* ... [Minn. Bot. Studies ... 1901]. Oct.
*Publ.*: 20 Jul 1901, p. 569-600. *pl. 34-41*. *Copy*: HH. – Reprinted and to be cited from Minnesota Bot. Stud. 2: 569-600, *pl. 34-41*. 1901.

**17.410.** *Catalog of Minnesota grasses* ... Reprinted ... from Minnesota Botanical Studies ... 1903. Oct.
*Publ.*: 21 Mar 1903 (cover-t.p. so dated), cover-t.p., p. 83-107. *Copies*: B, HH, NY. – Reprinted and to be cited from Minnesota Botanical Studies 3 (Bot. Ser. 6): 83-107. 1903 (copy journal issue: BR).

**Wheelock, William Efner** (1852-1926), English-born botanist and physician; Dr. med. Columbia University 1876, first annual member of the New York Botanical Garden. (*Wheelock*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 484 (b. 26 Jan 1852, d. 3 Feb 1926); Hortus 3: 1207; Rehder 2: 430; TL-2/6342.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 508. 1966.
Britton, N.L., J. New York Bot. Gard. 27: 186. 1926.

COMPOSITE WORKS: Co-author, T. Morong et al., *List Pter. Sperm. N.E. North America* 1893-1894, TL-2/6342.

**17.411.** *A descriptive list of species of the genus Heuchera* ... Reprinted from the Bulletin of the Torrey Botanical Club ... 1890. Oct.
*Publ.*: Aug 1890, cover-t.p., p. [191]-204. *Copies*: NY, US. – Reprinted and to be cited from Bull. Torrey bot. Club 17(8): 191-204. 1890. – Contr. Herb. Columbia Coll. 15.

**17.412.** *The genus Polygala in North America* ... Memoirs of the Torrey Botanical Club ... 1891. Oct. (*Polygala N. America*).
*Publ.*: 30 Dec 1891, cover-t.p., p. [109]-152. *Copies*: BR, HH, NY, US. – Issued as Mem. Torrey bot. Club 2(4): 1895.

**Wheldon, James Alfred** (1862-1924), British pharmacist and botanist; studied at Cleveland College, Darlington and the Westminster College of Pharmacy, London; pharmac. exam. 1884; practicing pharmacist in York 1884-1890; pharmacist at H.M. Prison, Liverpool 1891-1921; co-founder Moss Exchange Club British Isles (later Brit. bryol. Soc.). (*Wheld.*).

HERBARIUM and TYPES: NMW (29.400); further material in BDK, BEL, BR (*Sphagn.*), CGE, DBN, E, HAMU, K, LIV, M, OXF. – *Letters* to G. Renauld at PC.

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*Publ.*: 1889, p. [1]-16. *Copy*: B.

**17.414.** *The North of England Harpidia* after Renauld ... to which is appended William Ingham, B.A. Harpidioid Hypna of Yorkshire and Durham ... Leeds (the publishers of "The Naturalist", ...) 1902. Oct.
*Co-author*: William Ingham (1854-1923).
*Publ.*: 16 Mar 1902 (date on cover-t.p.; date in journal; 3 Mar 1902), cover-t.p., p. 65-96, *pl. 1-4. Copies*: B, MO. – Reprinted and to be cited from Naturalist 1902: 65-96, *pl. 1-4.* (p. 93-96: Harpidioid Hypna of Yorkshire and Durham).

**17.415.** *The flora of West Lancashire* that portion of the county north of the river Ribble and south of Morecambe Bay ... Liverpool (Henry Young & Sons) 1907. Oct. (*Fl.W. Lancashire*).
*Co-author*: Albert Wilson (1862-1949).
*Publ.*: Sep 1907 (J. Bot. Jan 1908 (rev.); Bot. Centralbl. 10 Dec 1907), p. [i-ii], frontisp., [iii-vi], err. slip, [1]-511, map, *14 pl.* (photos). *Copies*: G, HH, LIV, MO, NY, USDA.
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**17.416.** *Comments on the "Harpidia adunca"* of Sanio ... Revue bryologique ... 1908. Oct.
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**17.417.** *The Hepaticae of South Lancashire.* (VC 59) ... Reprinted from "Transactions of the Liverpool Botanical Society" 1909. Oct.
*Co-author*: William Gladstone Travis (1877-1958).
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**17.418.** *The lichens of Perthshire.* Being a preliminary list of species found within the three vice-counties ... Journal of Botany, Jan-July, 1915. Oct.
*Co-author*: Albert Wilson (1862-1949).
*Publ.*: Jan-Jul 1915, p. [1]-73, [74]. *Copy*: U. – Issued as Supplement to J. Bot. 53: 1-8. Jan, 9-16. Feb, 17-32. Mar, 33-48. Apr, 49-56. Mai, 57-64, Jun, 65-[74]. Jul 1915.

**17.419.** *A new British Acrocordia* ... Bidens minima Huds. ... Reprinted from the "Lancashire and Cheshire Naturalist", ... 1915. Oct.
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*Publ.*: Oct 1915 (read 18 Mar 1915, reprint date Oct 1915), p. [87]-136. *Copy*: B. – Reprinted and to be cited from J. Linn. Soc., Bot. 43: [87]-136. 1915.

**17.421.** *Synopsis of the European Sphagna*, indicating the species, varieties and forms occurring in the British Isles, with brief descriptions of many of the forms. Compiled from Warnstorf's Sphagnologia universalis, 1911, Das Pflanzenreich 51 Heft (with additions), for the Moss Exchange Club ... Darwen (W.H. Western) [1917]. Oct. (*Syn. Eur. Sphagna*).
*Publ.*: Jun 1917 (cover so dated; J. Bot. Aug 1917), cover, p. [1]-42. *Copies*: B, G, MO.

**17.422.** *Key to the Harpidioid Hypna* ... London, Hull and York (A. Brown & Sons, ...) 1921-1922. Oct.
*Publ.*: 1 Jan 1921-Mar 1922 (in journal), cover-t.p., p. [17]-20, 245-248, 343-346, 13-16, 103-108. *Copy*: B. – Reprinted and to be cited from Naturalist 1921: 17-20. 1 Jan, 245-248. 1 Jul, 343-346. 1 Oct 1921, 1922: 13-16. 1 Jan , 103-108. 1 Mar 1922.

**Wherry, Edgar Theodore** (1885-1982), American mineralogist, chemist and botanist; Dr. phil. Univ. Pennsylvania 1909; instructor in mineralogy, Lehigh Univ. 1908-1910; assistant professor ib. 1910-1913; assistant curator mineralogy U.S. Natl. Museum 1913-1917; crystallographer, U.S. Bur. Chemistry, Washington 1917-1923; chemist in charge of crop chemistry 1923-1930; associate professor of botany, Univ. Pennsylvania 1930-1941, regular prof. 1941-1955. (*Wherry*).

HERBARIUM and TYPES: PH. – Other material in A, BM, BR, DPU, GH, ILL, LIL, MO, MSC, NY, US (incl. types), WVA. – *Field notes* at WVA; *letters* at GH, NY (e.g. in Barnhart corr.).

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BIOFILE: Anon., Amer. men sci. eds. 2-11. 1910-1967; Arch. nat. Hist. 13(1): 95. 1986 (archival material being collected); Bartonia 34: 12-13. 1965 (Mary Soper Pope medal awarded; citation); Can. bot. Ass. Bull. 15(4): 143. 1982 (obit. not.); Index Amer. bot. lit. 1886-1966. 4: 509-512. 1969 (bibl.); Who's who Amer. 12-25. 1924-1949; Who was who Amer. 7: 608. 1933-1981; Who's who Nation's Capital ed. 2. 406. 1923-1924, ed. 1934-1935. 950.
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**17.423.** *Chasing Chelones* ... Reprinted from Bartonia 1927-1928. Oct.
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**17.425.** *Wild flowers of Mount Desert Island*, Maine .... Published by the Garden Club of Mount Desert ... 1928. Oct. (*Wild fl. Mt. Desert Isl.*).
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*Publ.*: 18 Jan 1930, p. [25]-28. *Copy*: U. – Reprinted and to be cited from J. Wash. Acad. Sci. 20(2): [25]-28. 1930.

**17.428.** *Plants of the Appalachian shale-barrens* ... Reprinted from Journal of the Washington Academy of Sciences ... 1930. Oct.
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**17.429.** *The eastern short-styled Phloxes* ... reprinted from Bartonia ... 1930. Oct.
*Publ.*: 1930, p. 36-65, *pl. 1-3*. *Copies*: NY, US. – Reprinted and to be cited from Bartonia 12: [24]-53, *pl. 1-3* (reprint pagination continued from Eastern ... Phloxes 1929. See above.

**17.430.** *A new spiral-orchid from the southern states* ... Reprinted from Journal of The Washington Academy of Sciences ... 1931. Oct.
*Publ.*: 19 Feb 1931, p. 49-51. *Copy*: B. – Reprinted and to be cited from J. Wash. Acad. Sci. 21(4): 49-51. 1931.

**17.431.** *The eastern long-styled Phloxes*, part 1 ... Reprinted from Bartonia ... 1931 [1932]. Oct.
*1*: 13 Feb 1932, p. 66-85. *Copies*: NY, US. – Reprinted and to be cited from Bartonia 13: [18]-37, *pl. 4-7*. 1932. – Reprint pagination continued from 1929 and 1931 papers on Eastern Phloxes, see above.
*2*: 2 Dec 1932, p. 86-98, *pl. 2-3*. *Copies*: NY, US. – Id. 14: [14]-26, *pl. 2-3*. 1932.

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*Publ.*: 5 Dec 1933, p. 1-8, *pl. 1*. *Copy*: US. – Reprinted from Bartonia 15: 1-8, *pl. 1*. 1933.

**17.433.** *Our native phloxes* and their horticultural derivatives ... Reprinted from the National horticultural Magazine ... 1935. Oct.
*Publ.*: Jul 1935, p. 209-231. *Copy*: NY. – Reprinted and to be cited from Amer. hort. Mag. 1935: 209-232.

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**17.435.** *Polemonium and Polemoniella* in the Eastern States ... [Bartonia 1936]. Oct.
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*Publ.*: 1936, p. 52-59, *pl. 6*. *Copy*: US. – Reprinted and to be cited from Bartonia 18: 52-59. *pl. 6*. 1936.

**17.437.** *Guide to eastern Ferns* ... Published by The Science Press Printing Company ... 1937. (*Guide east. Ferns*).
*Publ.*: Nov 1937, frontisp., p. [i]-iv, 1-220. *Copies*: HH, NY, PH, USDA.
*Ed. 2*: Sep 1942, p. [i*], front., [i]-iv, 1-252. *Copies*: HH, US, USDA.
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**17.438.** *The Phloxes of Oregon* ... [Proc. Acad. nat. Sci. Philadelphia 1939]. Oct.
*Publ.*: 1939, p. 133-140. *Copy*: U. – Reprinted and to be cited from Proc. Acad. nat. Sci. Philadelphia 90: 133-140. 1939.

**17.439.** *The genus Polemonium in America* ... Reprinted from "The American Midland Naturalist" ... 1942. Oct.
*Publ.*: Mai 1942, cover-t.p., p. 741-760. *Copies*: B, US. – Reprinted and to be cited from Amer. Midl. Natural. 27(3): 741-760. 1942.

**Whetzel, Herbert Hice** (1877-1944), American mycologist and phytopathologist; studied at Wabash College, Crawfordsville, Indiana; AB 1902; assistant Dept. Botany Cornell Univ. 1902-1906; asst. professor and head of the department of botany New York State College 1909-1944 (head dept. until 1922). (*Whetzel*).

HERBARIUM and TYPES: CUP; other material in BH, BM, DPU, H, NY, PUR, US. *Exsiccatae*: *Bermuda fungi* (with John MacLaren Waterston, 1911-x), cent. 1-2, 1-200, Nov 1943 and 1945. Sets at BPI, CUP, FH, IA, MICH, NCU, NY, PAC, TRTC, WIS. – Fasc. 2 published by J.M. Waterston. – *Field notes*: CUP. – *Letters* to W.G. Farlow at FH, to Barnhart at NY.

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**17.440.** *An outline of the history of phytopathology* ... Philadelphia and London (W.B. Saunders Company) 1918. Oct. (*Outline hist. phytopath.*).
*Publ.*: 1918, p. [1]-130. *Copies*: FH, LC, USDA.

**17.441.** *The smuts of Porto Rico* and the Virgin Islands ... Reprinted from Mycologia ... 1926. Oct.
*Co-author*: Frank Dunn Kern (1883-1973), TL-2/2: 524-525.
*Publ.*: 1 Mai 1926, p. 114-124, *pl. 16*. *Copy*: NY. – Reprinted and to be cited from Mycologia 18: 114-124, *pl. 16*. 1926.

**17.442** *North American species of Sclerotinia* – I ... Reprinted from Mycologia ... 1926. Oct.
*1*: 1 Sep 1926, cover-t.p., p. 224-235, *pl. 27-29*. *Copies*: NY, Stevenson. – Reprinted and to be cited from Mycologia 18(5): 224-235, *pl. 27-29*. 1926.
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[*4*]: 1 Feb 1937, p. [i], 128-146. *Copy*: Stevenson. – Id. 29(1): 128-146. 1936. – "Septotinia, a new genus of the Ciborioideae".

**Whistling, Christian Gottfried** (1757-1807), German physician and botanist. (*Whistling*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2305; Herder p. 484; PR 3936, 10213, ed. 1: 11190; Rehder 3: 51.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 256: 443. 1965.

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*Ed.* [*1*]: 1805-1807, 4 vols. *Copy*: NY.
*1*: 1805, (p. xviii: Ostermesse 1805), p. [i]-xviii, [1]-478.
*2*: 1805 (p. xvi: Michaelmesse 1805), p. [ii*], [i]-xviii, [1]-420.
*3*: 1806 (p. viii: Ostermesse 1806), p. [ii]-xx, [1]-619.
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*3*: 1810, p. [ii*], [i]-xx, [1]-619.
*4*: 1810, p. [ii-v], [1]-473.

**White, Alain Campbell** (1880-?), American botanist; AB Harvard 1902; AM Columbia Univ. 1904. (*A.C. White*).

HERBARIUM and TYPES: Unknown. – *Letters* at G, NY (e.g. in Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 485 (b. 3 Mar 1880); Hortus 3: 1207; NI 3: 321, nos. 2137n, na; Plesch p. 458; Sotheby 809; TL-2, see B.L. Sloane; Zander ed. 10, p. 732, ed. 11, p. 836.

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**17.444.** *The Stapelieae* an introduction to the study of this tribe of Asclepiadaceae ... Pasadena, California 1933 (*Stapelieae*).
*Co-author*: Boyd Lincoln Sloane (b. 1885), see TL-2/5: 644-645. N.B. correction: American [not South African] author.
*Ed.* [*1*]: Oct 1933 (month of printing, see p. vii), p. [i]-xi, [xiii], 1-206, map; col. frontisp. stuck on p. [ii]. *Copies*: BR, HH, M, MICH, NY, PH, U.
*Ed. 2*: Feb 1937, Pasadena, California, 3 vols. *Copies*: BR, H, HH, M, MICH, MO, NY, U.
*1*: Feb 1937, p. [i]-xvi, [xvii-xviii], 1-407, *pl. 1-7*, p. [1]-23 index.
*2*: Feb 1937, p. [i-vi], 409-818, *pl. 8-22*, p. [1]-23, index.
*3*: Feb 1937, p. [i-vi], 819-1184, [1185], *pl. 23-37*, [1]-23, index, err. slip.
*Preliminary publ.*: J. Cact. Succ. Soc. 3: 47-50. Sep, 63-68. Oct, 81-83. Nov, 103-105. Dec 1931, 119-121. Jan, 127-129, Feb, 146-148. Mar, 159-161. Apr, 184-186. Mai, 191-194. Jun 1932.

**17.445.** *The succulent Euphorbieae* (Southern Africa) ... Pasadena California (Abbey Garden Press) 1941. 2 vols. (*Succ. Euphorb.*).
*Co-authors*: Robert Allen Dyer (b. 1900), Boyd Lincoln Sloane (b. 1885).
*Publ.*: 1941, 2 vols. *Copies*: BR, G, PH.
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**White, Cyril Tenison** (1890-1950), Australian botanist; maternal grandson of Frederick Manson Bailey; assistant to his grandfather 1905; Government Botanist Queensland 1917-1950. (*C.T. White*).

HERBARIUM and TYPES: BRI. – Other material at A, B (mainly destr.), BM, C, E, F, K, MEL, MO, NSW, NY, S, US. – *Manuscripts*: BRI. – *Letters* at G.

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**17.446.** *Botanic notes*, N°1. [Queensland Naturalist ... 1911]. Oct.
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*2*: Feb 1913, p. [1]-6. *Copies*: NY, US. – Id. 1: 256-261. 1913.
*3*: 1915, Queensland Natural. 2: 21-23. 1915.
*4*: Apr 1917, p. 65-66. – Id. 2: 65-66. 1917.

**17.447.** *Notes on the genus Flindersia* (family Rutaceae) ... From the Proceedings of the Linnean Society of New South Wales ... 1921.
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**17.448.** *Contribution[s] to the Queensland flora* 1-9, Brisbane 1921-1946. Oct.
*Co-author 1-4*: William Douglas Francis.
*1*: Nov 1921, cover-t.p., p. [i, recto of 152], [152]-165. – Reprinted and to be cited from Proc. R. Soc. Queensland 33(8): [152]-165. 1921.
*2*: 21 Dec 1923, p. [i], 63-84. – Id. 35(8): 63-84, 1923.
*3*: 23 Jan 1926, p. [i], 152-167. – Id. 37(9): 152-167. 1926.
*4*: 27 Nov 1929, p. [i], 139-143. – Id. 41(10): 139-142. 1929.
*5*: 1936, p. [1]-35. – Id. 47(5): 51-84. 1936.
*6*: 1939, p. [i], 66-87, *pl. 6*. – Id. 50(11): 66-87, *pl. 6*. 1939.
*7*: 16 Feb 1942, p. [i], 201-228. – Id. 53(13): 201-228. 1942.
*8*: 26 Jun 1942, p. [i], 59-83, *pl. 3-4*. – Id. 55(5): 59-83. *pl. 3-4*. 1942.
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*Copies*: NY, U, US. – Earlier publications with the same title: (a) with J.F. Bailey, Queensl. agr. J. ser. 2. 4: 287-289. 1915; (b) with id., Queensl. Dept. Agr. Bot. Bull. 18, 1916 (16 p.); (c) Queensl. Dept. Agr. Bot. Bull. 20, 1918 (20 p.); (d) with W.D. Francis, id. 22, 1920 (36 p.).

**17.449.** *A contribution to our knowledge of the flora of Papua* (British New Guinea) ... Brisbane 1922. Oct.
*Publ.*: 25 Aug 1922, cover-t.p., p. 5-65. *Copy*: B. – Issued as Proc. R. Soc. Queensl. 34(1): 5-65. 1922.

**17.450.** *An elementary text-book of Australasian forest botany* ... Sydney (John Spence, ...) 1922. Oct. (*Elem. textb. Australas. for. bot.*).
*1* (all publ.): 1922 (p. iii: Oct 1921), p. [i*], [i]-iii, [v], [1]-223. *Copies*: UC, USDA.
*Ed. 2*: 1925 (p. iii: Oct 1925), p. [i*], [i]-v, [1]-223. *Copy*: MICH-UB.

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**17.452.** *Plants collected in the mandated territory of New Guinea* by C.E. Lane-Poole ... Brisbane 1928. Oct.
*Co-author*: William Douglas Francis; collector: Charles Edward Lane-Poole (b. 1885); orig. set at BRI.
*Publ.*: 14 Feb 1928, cover-t.p., p. 61-70, *pl. 4-5*. *Copy*: US. – Reprinted and to be cited from Proc. R. Soc. Queensland 39(6): 61-70, *pl. 4-5*. 1928.

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*Publ.*: 1 Apr 1933, p. [1]-113, *pl. 1-9*. *Copy*: HH. – Contr. Arnold Arb. Harvard Univ. no. 4.

**17.454.** *Principles of botany* for Queensland farmers ... Queensland Department of Agriculture and Stock [Brisbane 1938]. Oct. (*Princ. bot.*).
*Publ.*: 1938, p. [i-v], [1]-232. *Copy*: UC.

**White [Charles] David** (1862-1935), American geologist and palaeobotanist; B.Sc. Cornell Univ.; assistant palaeontologist U.S. Geological Survey 1886-1894, assistant geologist 1896-1900, geologist 1900-1912, chief geologist 1912-1922; active in retirement as curator palaeobotany U.S. Natl. Mus. and in various administrative functions. (*D. White*).

HERBARIUM and TYPES: US. – Palaeobotanical material at USGS. – *Letters* at G and NY (Barnhart corr.).

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**17.455.** *On Cretaceous plants from Martha's Vineyard* ... From the American Journal of Science ... 1890. Oct.
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**17.456.** *A new Taeniopteroid fern* and its allies ... Rochester (published by the [Geological] Society [of America]) 1893. Oct.
*Publ.*: Feb 1893 (p. 119: 23 Feb 1893), cover-t.p., p. 119-131, [132], *pl. 1. Copy*: NY. – Reprinted and to be cited from Bull. Geol. Soc. Amer. 4: 119-132, *pl. 1.* 1893.

**17.457.** *Flora of the outlying carboniferous basins of southwestern Missouri* ... Washington (Government Printing Office) 1893. Oct. (*Fl. carbon. bas. s.w. Missouri*).
*Publ.*: 1893, cover-t.p., p. 1-139, *pl. 1-5. Copies*: HH, NY. – Issued as Bull. U.S. Geol. Surv. 98, 1893.

**17.458.** *Fossil flora of the lower Coal measures of Missouri* ... Washington (Government Printing Office) 1899. Oct. (*Foss. fl. Coal meas. Missouri*).
*Publ.*: Jul-Aug 1899 (p. xi: 10 Oct 1898; p. x Jun 1899; Bot. Centralbl. 26 Sep 1900), p. [i]-xi, 1-467, *pl. 1-73*, [i]-x. *Copies*: G, HH, MO; IDC 2548 (572-588). Monogr. U.S. Geol. Surv. 37, 1899.
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**17.459.** *The stratigraphic succession of the fossil floras of the Pottsville formation* in the southern anthracite coal field, Pennsylvania ... Washington (Government Printing Office) 1900. Oct.
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**17.461.** *Flora of the Hermit Shale*, Grand Canyon, Arizona ... Washington, D.C. (Published by the Carnegie Institution ...) 1929. Oct. (*Fl. Hermit Shale*).
*Publ.*: 23 Dec 1929, p. [i]-v, [1]-221, *pl. A-D*, and *1-51* (on p. 121-221, incl. text). *Copies*: H-UB, HH, NY, US. – Carnegie Inst. Washington Publ. 405.

**17.462.** *Fossil flora of the Weddington Sandstone* member of the Fayetteville shale ... Washington D.C. (Government Printing Office) 1937. (*Foss. fl. Weddington Sandst.*).
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**17.463.** *Fossil plants from the Stanley Shale* ... and Jackford Sandstone in Southeastern Oklahoma and Western Arkansas ... Washington, D.C. (United States Printing Office) 1937. (*Fossil pl. Stanley Shale*).
*Publ.*: 1937 (NY copy rd. 13 Jul 1937), p. [i]-ii, 43-67, *pl. 10-14*. *Copy*: NY. – U.S. Dept. Int., Geol. Surv. prof. Pap. 186-C: 43-67. 1937.

**White, Edward Albert** (1872-1943), American botanist; B.Sc. Massachusetts State College 1895; in charge of greenhouse of this College 1895-1897; florist Arlington, Mass. 1897-1900; assistant professor of horticulture Texas A. & M. 1900-1902; professor of botany and forestry Connecticut Agric. College 1902-1906; professor of floriculture Mass. State Coll. 1906-1913; head of Dept. Floriculture, Cornell Univ. 1913-1939; prof. emeritus 1939-1943; specialist on orchidaceae as well as fungi. (*E.A. White*).

HERBARIUM and TYPES: CU; *letters* to W.G. Farlow at FH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 485 (b. 23 Mai 1872); Bossert p. 434; Hirsch p. 322; Kelly p. 240; LS 40555; Tucker 1: 742-743.

BIOFILE: Anon., Amer. men sci. eds. 2-7, 1910-1944; The New York Times, 14 Mai 1943 (d. 13 Mai 1943); Who's who Amer. 12-21, 1922-1941; Who was who Amer. 2: 571. 1950.
Verdoorn, F., ed., Chron. bot. 1: 342, 343, 406. 1936, 3: 306. 1937, 6: 22, 93. 1941, 7: 91, 234. 1943.

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*Publ.*: 1905, p. [1]-81, *pl. 1-40*. *Copies*: BR, FH, HH, MICH, MO, NY(3), Stevenson, USDA. – State of Connecticut, State geol. nat. Hist Surv. Bull. 3, 1905.
*Second report*: 1910 (Nat. Nov. Jan(2) 1911), p. [1]-70, *pl. 1-27*. *Copies*: BR, FH, HH, MO, PH, Stevenson. – Id. Bull. 15, 1910.

**White, Francis Buchanan [White]** (1842-1894), British naturalist; MD Edinburgh 1864; founder of the Scottish Naturalist 1871; lived and worked at Perth, being independent devoting himself entirely to botany and entomology. (*F.B. White*).

HERBARIUM and TYPES: PTH; other material ABD, E, GL, MANCH, NMW, OXF, WAR. – *Letters* at BM.

BIBLIOGRAPHY and BIOGRAPHY: ADB 4: 285; Barnhart 3: 486; BB p. 324; BL 2: 293, 309, 731; BM 5: 2308; Clokie p. 264; CSP 8: 1229-1230, 11: 795-796, 12: 780, 19: 578-579 (major bibl. source); Desmond p. 654 (b. 20 Mar 1842, d. 3 Dec 1894); DSB 21: 35-36 (61: 35-36); DTS 6(4): 207-208; Hortus 3: 1207; LS 28781-28793; Rehder 1: 404, 5: 917; SBC p. 135; TL-2/see J.W.H. Trail; Tucker 1: 743, 2: xl; Zander ed. 11, p. 836.

BIOFILE: Anon., Amer. J. Sci. ser. 3. 49: 248. 1895; Brit. Mus. gen. cat. print. books 256: 600-601. 1965; Entom. mon. Mag. 31: 30-31. 1895 (obit.); Entomologist 28: 25-27. 1895 (obit.); Entom. Record 6: 56. 1895 (obit., not.); Leopoldina 31: 55. 1895 (d.); Nature 51: 345. 1895 (obit. not.); Nat. Nov. 16: 567. 1894 (d.); Proc. Linn. Soc. London 1894-1895, 38-39. (obit.).
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COMPOSITE WORKS: Editor, *The Scottish Naturalist* 1-6, 1871-1882.

NOTE: Son of the Scottish physician Francis Isaiah White (1815-1898); MD Edinburgh 1838; author of *Inaugural dissertation on geography of plants* 1838 (n.v.).

**17.465.** *A revision of the British willows* ... Linn. Journ.-Botany, vol. xxvii [1889]. Oct. *Publ.*: 13 Nov 1890 (read 6 Jun 1889; cover journal issue 13 Nov 1890), p. 333-457, *pl. 9-11*. *Copies*: G, HH, NY. – Issued as J. Linn. Soc., Bot. 27(185-186): 333-457. *pl. 9-11*. 1890.

**17.466.** *The flora of Perthshire* by Francis Buchanan W. White ... edited with an introduction and life of the author, a list of his scientific publications, and an appendix, by James W.H. Trail, ... Edinburgh (printed for the Perthshire Society of Natural Science ...) 1898. Oct. (*Fl. Perthsh.*).
*Editor*: James William Helenus Trail (1851-1919).
*Publ.*: Mai 1898 (J. Bot. Jun 1898: just out; Bot. Centralbl. 25 Mai 1898 (announcement of publ.); Nat. Nov. Jun(1) 1898), p. [i-ii], portr. author, [iii]-lix, map, [1]-407, [408, colo.]. *Copies*: BR, HH, MO, NY.
*Facsimile ed.*: 1978, ISBN 0-7158-1335-8, East Ardsley, Wakefield 1978. – Preface matter 1978, p. [1-4], followed by facs.
*Ref.*: Britton, J., J. Bot. 36: 321-324. 1898.

**White, Gilbert** (1720-1793), British curate and naturalist; B.A. Oxford 1743, MA 1746; curate at Swarraton 1746-1751, at Selborne 1751; proctor of Oxford University 1752, curate at Selborne from ca. 1758. (*G. White*).

HERBARIUM and TYPES: Unknown. – White marked Selborne plants in a copy of W. Hudson, *Flora anglica* (see Britten (1893)). Mss. at Gilbert White Museum, Selborne. – *Letters* e.g. at G.

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**17.467.** *The natural history and antiquities of Selborne*, in the county of Southampton: with engravings and an appendix ... London (printed by T. Bensley ...) 1789. Qu. (*Nat. hist. Selborne*).

*Ed. 1*: Jan 1789 (Gent. Mag.), p. [i*], [i]-v, [1]-468, [469-481], *pl. 1-9. Copies*: Harvard (Houghton Libr.), HU, KU, LC. – There are no. p. 441-442; 292 misnumbered 262.

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*Garden Kalendar 1751-1771*, reproduced in facsimile from the manuscript in the British Library, Introduction and notes by John Clegg, The Scolar Press 1975.

**White, James Walter** (1846-1932), British botanist and pharmaceutical chemist; set up a chemist's business at Clifton, Bristol in 1874; special lecturer in botany at the University of Bristol and M.Sc. hon. ib. 1927. (*J.W. White*).

HERBARIUM and TYPES: BRIST (6000); further material in A, B (extant), BDK, BM, C, CGE, DBN, G, GB, E, K, MANCH, NMW, NOT, OXF, PSGB. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 486; BJI 2: 232, 242, 731; BM 5: 2310; Bossert p. 434; Clokie p. 264; CSP 12: 780, 19: 580-581; Desmond p. 655 (b. 8 Aug 1846, d. 26 Oct 1932); IH 1 (ed. 6): 366, (ed. 7): 346; Rehder 2: 306, 307; Tucker 1: 743.

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**17.468.** *Flora of the Bristol coal-field* edited (for the Bristol Naturalists' Society) by James Walter White, ... parts i-vi, Bristol (James Fawn and Son [6: printed for the Society]) 1881-1886. Oct. (*Fl. Bristol coal-field*).
*Publ.*: 1881-1886, in six parts, issued as appendices to the Proc. Bristol Natural. Soc. with independent pagination. *Copies*: G, HH, PH.
*1* (*Thalamiflorae*): 1881 (p. iv: Jun 1881; J. Bot. Nov. 1881 "just received"), p. [i*], [i]-iv, [5]-40.
*2* (*Calyciflorae*): 1882 (p. 86: Mar 1883), p. [i], [41]-84, [85]-86 (adds. 1-2); err. slip.
*3* (*Corolliflorae*): 1883 (p. 87: 1883), p. [i], [87]-148, [149]-152 (adds. 1-3).
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*Publ.*: 1912 (p. viii: Mar 1912; J. Bot. rev. Jul 1912; Bot. Centralbl. 6 Aug 1912), p. [i]-viii, [ix], map, [1]-722, *3 pl.* (uncol.). *Copies*: HH, LIV, NY. – Announcement by author: J. Bot. 44: 429. 1906.
*Cheaper re-issue*: London 1914, 738 p. fide Bot. Centralbl. 21 Jul 1914 (not seen by us).
*Facsimile repr.*: 1972, p. [i]-viii, [ix], map, [1]-722, *3 pl. Copies*: FAS, G, MO. – Bristol (Chatford House Press, Ltd.) 1972. – SBN 9500-836-58. – 400 copies.
*Ref.*: Britten, J., J. Bot. 50: 236-237. 1912 (notes; praise).
Marshall, E.S., J. Bot. 50: 232-236. 1912 (rev.).
Stafleu, F.A., Taxon 22: 145-146. 1973 (facs. ed.).

**White, John,** of Dublin (c. 1760-1837), Irish horticulturist and field botanist; gardener in the Glasnevin Botanic Gardens c. 1797-1833. (*J. White, Dubl.*).

HERBARIUM and TYPES: Unknown.

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**17.470.** *An essay on the indigenous grasses of Ireland*, ... Dublin (printed by Graisberry and Campbell ...) 1803. Oct. (in 4-s).(*Essay indig. grass. Ireland*).
*Publ.*: 1803, p. [i]-xxix, [xxx], abbr., err., [1]-144, [1-4], 145-156, *pl. 1-2* (with text; col. copp.). *Copies*: DBN, HU, NSUB, NY.

**White, John,** R.N. (1756(?)-1832), Irish naval surgeon and botanist; joined the Royal [British] Navy 1778, promoted to surgeon 1780, in India and the West Indies on naval duty 1780-1785; surgeon on the Irresistable headed for Australia 1786; chief surgeon of the colony of New South Wales 1786; retired to England 1794; retired from the navy 1820. (*J. White, R.N.*).

HERBARIUM and TYPES: Material at G (Lambert set), GH, LINN, LIV (Smith herb.), NSW, PH, UPS (Thunb.). – Original drawings by T. Watling for his *Journal* at BM. *Letters* to J.E. Smith at LINN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 486; BB p. 324; Desmond p. 655 (d. 20 Feb 1832) (further refs.); HR; Lasègue p. 73, 270; TL-2/see Thunberg; Tucker 1: 743.

BIOFILE: Alexander, W.B., The Emu 23: 209-215. 1924 (on Journal).
Anderson, John, Med. J. Australia 1(6): 183-187. 1933.
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Barton, G.B., Hist. New South Wales 1: 625 [index]. 1889.
Cleland, J.B., Med. J. Australia 1950: 551-553 (Naturalist in medicine).
Edmondson, J., Austral. Syst. Bot. Soc. Newsletter 36: [1]. 1983 (rich set of NSW plants in J.E. Smith herb. LIV).
Ferguson, J.A., Bibl. Australia 1: 43, 57, 67, 89, 108. 1941, 2: 468. 1945.
Hall, N., Botanists Eucalypts 133-134. 1978 (eponymy).
Hooker, J.D., Fl. Tasm. 2: cxxiv. 1859.
Maiden, J.H., J. Proc. R. Soc. N.S.W. 42: 128-129. 1908.
Rienits, R., Austral. dict. biogr. 2: 594-595. 1967.
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Sabin, J. et al., Bibliotheca americana 28: 232. 1936.
Stearn, W.T., *in* R. Brown, Prodromus, facs. ed. Weinheim xi. 1960.
Watson, F., History of the Sydney hospital 1811 to 1911. 3-6. 1911.
Whitley, G.P., Austral. Mus. Mag. 6(9): 298-301. 1938 (Naturalist of the first fleet).

EPONYMY: White Bay, in Sydney Harbour.

**17.471.** *Journal of a Voyage to new* [sic] *South Wales* with sixtxy-five plates of non descript animals, birds, lizards, serpents, curious cones of trees and other natural productions by John White Esq.re Surgeon general to the settlement. London (printed for J. Debrett, Piccadilly) 1790. Qu. (*J. Voy. N.S.W.*).
*Publ.*: 1790 (plates dated 29 Dec 1789), p. [i-xvii, incl. engr. t.p.], p. [1]-299, [1-35], [i-iv adv.], *65 pl.* (col. copp.). *Copies*: B-S, HH, LC, MO, NSUB, PH, Teyler, US. – See Ferguson (1941) for bibl. notes. – Plants on p. 231-236, *pl. 18-25*.
*Modern reprint*: 1971, New York (Arno Pr.), ISBN 0-405-01726-x. *Copy*: LC.
*French transl.*: 1795, p. [i]-xii, [1]-256, [257-260], *2 pl. Copy*: HH. – *Voyage à la nouvelle Galles du Sud*, à Botany-Bay, au Port Jackson, en 1787, 1788, 1789; par John White ... ouvrage où l'on trouve de nouveaux détails sur le caractère et les usages des habitans du Cap de Bonne-Espérance, de l'île Ténériffe, de Rio-Janeiro et de la Nouvelle Hollande ainsi qu'une description exacte de plusieurs animaux inconnus jusqu'à présent. Traduit de l'Anglais, avec des notes critiques et philosophiques sur l'histoire

naturelle et les moeurs par Charles Pougens. À Paris (Chez Pougin, ...). An 3 de la République (1795, vieux style). Oct. (*Voy. nouv. Galles du Sud*).
*French transl.*: 1798, p. [i]-xii, [1]-206, [1]-256, [257-260], *2 pl. Copy*: LC. – À Paris (Chez Guillaume ...). An vi de la République (1798, vieux style).
*German transl.*: 1792, p. [i]-xxvi, [1]-378, *4 pl.*, map. *Tagebuch einer Reise nach Süd-Wallis* ... Wien (...F.A. Schrämbl) 1792. Duod. *Translator*: J.R. Forster; also in Mag. merkw. neu. Reisebeschr. 5: 1-136. 1791. (*Tageb. Reise Süd-Wallis*).
*Swedish transl.*: 1794, p. [i]-xii, [1]-147, [148, err.], *pl. 1-4. Copy*: James Ford Bell Libr., Minnesota. – John Whites *Resa till Nya Holland*, Åren 1787 och 1788. Sammandrag af Samuel Ödmann Upsala (... J. Edmans, ...) 1793. Duod. Abridgement. (*Resa Nya Holland*).

**White, Theodore Greely** (1872-1901), American botanist and geologist; Dr. phil. Columbia Univ. 1898; lecturer Department of Public Instruction, New York 1895-1896; assistant, Dept. Physics, Columbia Univ. 1896-1900; from 1900 dedicating himself almost fully to philanthropic work. (*T.G. White*).

HERBARIUM and TYPES: NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 487 (b. 6 Aug 1872, d. 7 Jul 1901); Hortus 3: 1207; Langman p. 801; Lenley p. 433.

BIOFILE: Anon., Science ser. 2. 14: 77. 1901 (obit. not.).
Kemp, J.F., Bull. Geol. Soc. Amer. 13: 516-517. 1903 (obit.).
Ries, H., American Geologist 28: 269-270. 1901 (obit., portr.).

**17.472.** *A preliminary revision of the genus Lathyrus* in North and Central America ... Reprinted from the Bulletin of the Torrey Botanical Club ... 1894. Oct.
*Publ.*: Oct 1894, cover-t.p., p. 444-458. *Copies*: HH, NY, US. – Reprinted and to be cited from Bull. Torrey bot. Club 21(10): 444-458. 1894. Contr. Herb. Columbia Coll. no. 62. 1894.

**White, Violetta Susan Elizabeth** (1875-1949), American botanist; married John Ross Delafield 1904; associated with the New York Bot. Gard. 1901-1902. (*V.S. White*).

HERBARIUM and TYPES: NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 487 (b. 10 Mai 1875, d. Mai 1949); Kelly p. 241; LS 28797-28799; NI 3: 264; Stevenson p. 1262.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 521. 1969.
Barnhart, J.H., J. New York Bot. Gard. 12: 144. 1911.

**17.473.** *The Tylostomaceae of North America* ... New York 1901. Oct.
*Publ.*: 27 Aug 1901, cover-t.p., p. 421-444, *pl. 31-40. Copies*: NY, Stevenson, U. – Reprinted and to be cited from Bull. Torrey bot. Club 28: 421-444. *pl. 31-40.* 1901. Contr. New York Bot. Gard. 17.

**17.474.** *The Nidulariaceae of North America* ... New York 1902. Oct.
*Publ.*: 26 Mai 1902, cover-t.p., p. 251-280, *pl. 14-18.* 1902. *Copies*: NY, Stevenson, U. – Reprinted and to be cited from Bull. Torrey bot. Club 29: 251-280, *pl. 14-18.* 1902. Contr. New York Bot. Gard. 24.

**17.475.** *Some Mt. Desert fungi* ... New York 1902. Oct.
*Publ.*: 25 Sep 1902, cover-t.p., p. 550-563. *Copies*: NY, Stevenson, U. – Reprinted and to be cited from Bull. Torrey bot. Club 29: 550-563. 1902. – Contr. New York Bot. Gard. 27.

**Whitfield, Robert Parr** (1828-1910), American palaeontologist; with James Hall at

the New York State Survey from ca. 1850-1876; with the American Museum of Natural History as curator of the Dept. of Geology 1876-1910. (*Whitfield*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 348; Barnhart 3: 488 (b. 27 Mai 1828, d. 6 Apr 1910); BM 5: 2312; De Toni 4: lix; ME 1: 239, 3: 677; Merrill p. 714; Quenstedt p. 459.

BIOFILE: Anon., Amer. men sci. ed. 1. 345. 1906; Brit. Mus. gen. cat. print. books 256: 934-935. 1965; Bull. U.S. natl. Mus. 30: 259-272. 1885 (bibl.); Hedwigia 50: (143). 1910 (d.); Natl. Cycl. Amer. biogr. 5: 92-93. 1894; Who was who Amer. 1: 1333. 1968.
Clarke, J.M., Bull. geol. Soc. Amer. 22: 22-32. 1911 (obit., portr., bibl.).
Gratacap, L.P., Amer. J. Sci. 179: 565-566. 1910; Science ser. 2. 31: 774-775. 1910; Ann. N.Y. Acad. Sci. 20(9, 3): 385-398. *pl. 16.* 1911 (biogr. mem., bibl., portr.).
Hovey, E.O., Amer. Mus. J. 10: 119-121. 1910 (obit., portr.).
Zittel, K.A. von, Gesch. Geol. Paläob. 815, 823. 1899; Hist. geol. palaeont. 401. 1901.

**17.476.** *On new forms of marine algae from the Trenton limestone*, with observations on Buthograptus laxus Hall. ... Author's edition, extracted from Bulletin of the American Museum of Natural History, ... 1894. Oct.
*Publ.*: 20 Dec 1894, cover-t.p., p. 351-358. – Reprinted and to be cited from Bull. Amer. Mus. Nat. Hist. 6(16): 351-358. 1894.

**17.477.** *Notice of a new genus of marine algae*, fossil in the Niagara shale ... Author's edition, extracted from Bulletin of the American Museum of Natural History, ... 1902. Oct.
*Publ.*: 3 Nov 1902, cover-t.p., p. 399-400, *pl. 53*. *Copy*: G. – Reprinted and to be cited from Bull. Amer. Mus. Nat. Hist. 16(30): 399-400, *pl. 53*. 1902.

**Whitford, Harry Nichols** (1872-1941), American forester and botanist; M.S. Kansas State Agric. Coll. 1900; Dr. phil. Chicago 1903; instructor in biology Armour Inst. 1898-1900; assistant in botany Chicago 1900-1904; collector Bureau of Science, Philippine Isl. 1904-1906; chief div. investig. Bur. Forestry ib. 1906-1912; assistant professor of forestry ib. 1910-1912; forester in Canada 1913-1916; asst. professor of tropical forestry Yale 1916-1923; chief crude rubber Survey U.S. Dept. Commerce 1923-1925; manager crude rubber div., Rubber manuf. Ass. from 1925. (*Whitford*).

HERBARIUM and TYPES: Material at A, B (mainly destr.), GH, KSA, L, MO, NY, P, PNH, S, TUR, US, Y.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 624; Barnhart 3: 488 (b. 11 Mar 1872, d. 16 Mai 1941); BJI 2: 190; BL 1: 123, 324; BM 8: 1427; Ewan ed. 1: 335; Langman p. 802; LS p. 473; NW p. 61; SK 1: 572, 4: cxxxii, 5: cccxxxii; Tucker 1: 743, 3: 334; Urban-Berl. p. 409.

BIOFILE: Anon., Amer. men sci. eds. 1-6, 1906-1938; Brit. Mus. gen. cat. print. books 256: 937. 1965; Cat. gén. livr. impr. Bibl. natl. 222: 526-527. 1975; Index Amer. bot. lit. 1886-1966. 4: 522-523. 1969; Nat. Nov. 23: 519. 1901 (app. Chicago); Science ser. 2. 93. 491. 1941 (d.); The New York Times 18 Mai 1941.
Leonard, J.W., Men of America 2137-2138. 1908.
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Quisumbing, E., Philipp. geogr. J. 8: 35-36. 1964.
Rodgers, A.D., Bernard Eduard Fernow 623 [index]. 1951.
Verdoorn, F., ed., Chron. bot. 3: 313. 1937, 7: 104. 1943.

EPONYMY: *Whitfordia* Murrill (1908); *Whitfordia* Elmer (1910); *Whitfordiodendron* Elmer (1910).

**17.478.** *The forests of the Flathead Valley*, Montana ... Printed at the University of Chicago Press. 1905. Oct.
*Publ.*: Feb-Apr 1905 (in journal), cover-t.p., p. 99-122, 194-218, 276-296. *Copies*: HH, NY. – Reprinted and to be cited from Bot. Gaz. 39: 99-122. Feb, 194-218. Mar, 276-296. Apr 1905.

**17.479.** *A preliminary check list of the principal commercial timbers of the Philippine Islands* ... Manila (Bureau of Printing) 1907. Oct. (*Prelim. check list timbers P.I.*).
*Publ.*: Nov-Dec 1907 (p. 3: 22 Oct 1907 mss. submitted), cover, p. [1]-45. *Copy*: NY. – Issued as Bull. Bur. For., Manila no. 7.

**17.480.** Studies in the vegetation of the Philippines. I. *The composition* and volume *of the Dipterocarp forests* of the Philippines ... Manila (Bureau of Printing) 1909. Oct.
*Publ.*: Dec 1909, cover-t.p., p. 699-725, *pl. 32-38. Copies*: NY, US. – Reprinted from Phil. J. Sci. 4(6), C: 699-725, *pl. 32-38.* 1909.

**17.481.** *The forests of the Philippines* Manila (Bureau of Printing) 1911, 2 parts. Oct. (*For. Philipp.*).
*1* (Forest types and products): 1911 (p. 7: 11 Nov 1910), p. [1]-94, *pl. 1-28*, map.
*2* (The principal forest trees): 1911, p. [1]-113, *pl. 1-103.*
*Copies*: BR, HH, MO, NY.

**Wibel, August Wilhelm Eberhard Christoph** (1775-1813), German (Württemberg) physician and botanist; studied in Jena from 1797; Dr. med. 1797; practicing at Wertheim am Main (Baden). (*Wibel*).

HERBARIUM and TYPES: Material at GOET, H (some bryoph.), JE.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 625; Barnhart 3: 490; BM 5: 2314; Frank 3 (Anh.): 113; GR p. 54 (b. 1 Aug 1775, d. 25 Dec 1813), cat. p. 73; Hegi 1: 245, 844; Herder p. 190; Hortus 3: 1207; PR 10217-10219, ed. 1: 11199-11201; Rehder 1: 375; TL-2/see E. Berger; Zander ed. 11, p. 836.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 74. 1965.
Sayre, G., Bryologist 80(3): 520. 1977.

EPONYMY: *Wibelia* P.G. Gaertner, B. Meyer et Scherbius (1801); *Wibelia* Bernhardi (1801); *Wibelia* Persoon (1805).

**17.482.** *Dissertatio* inauguralis botanica *primitiarum florae werthemensis* sistens prodromum. Quam rectore Academiae magnificentissimo serenissimo principe ac domino domino Carolo Augusto ... consentiente gratiose medicorum ordine pro gradu doctoris medicinae ac chirurgiae rite impetrando publice defendet a.d. xxvii. Mart. mdccxcvii. Auctor August. Guilielm. Eberh. Christoph. Wibel ... Ienae [Jena] (Typis Goepferdtii) [1797]. Oct. (*Diss. prim. fl. werth.*).
*Publ.*: 27 Mar 1797, p. [1]-40. *Copy*: G (photocopy).

**17.483.** *Primitiae florae werthemensis* ... Ienae [Jena] (sumbibus Goepferdti) 1799. Oct. (*Prim. fl. werth.*).
*Publ.*: 1799 (p. 340, suppl., dated Aug 1799), p. [3]-372, [1-4, err.]. *Copies*: HH, NY, USDA; IDC 7386.

**17.484.** *Beyträge zur Beförderung der Pflanzenkunde* ... Ersten Bandes erste Abtheilung ... Frankfurt am Main (bei Philipp Heinrich Guilhauman) 1800. Oct. †. (*Beytr. Pflanzenk.*).
*Publ.*: 1800 (p. x: 5 Apr 1800), p. [i-xii], [1]-116, *2 pl.* (copp.). *Copies*: B-S, NLM.

**Wichura, Max Ernst** (1817-1866), German magistrate, traveller and botanist; studied law at Breslau 1836-1839; stages at Breslau, Berlin and Ratibor; municipal judge at Breslau 1851; from 1858 municipal administrator, from 1859 "Regierungsrath", travel-

led in Lapponia 1856; participated in the Prussian Eastern Asiatic Expedition 1859-1863; from 1865-1866 working at the Botanical Museum in Berlin. (*Wich.*).

HERBARIUM and TYPES: B (mainly destr.) and WRSL; further material in BM, FH (mosses, types M. Fleischer, Musci Fl. Buitenzorg), G, H-BR, LE, WRSL. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 42: 316-318 (E. Wunschmann); AG 6(1): 412; Backer p. 625; Barnhart 3: 490 (b. 27 Jan 1817, d. 24 Feb 1866); BM 5: 2314; Bret. 941-942; CSP 6: 354-355, 8: 1234; Futak-Domin p. 656-657; Hegi 4(2): 966; Herder p. 63, 298; Klásterský p. 204; KR p. 760; Moebius p. 350; PR 10221; Rehder 5: 917; SBC p. 135; SK 1: 573-574; Tucker 1: 743; Urban-Berl. p. 292, 317, 410.

BIOFILE: Anon., Biogr. Jahrb. deut. Nekrol. 2: 49*. 1898; Bonplandia 1: 228, 239. 1853, 7: 342. 1859 (in England), 8: 17-18 (on E. Asiat. Exp.), 138-139. 1860 (biogr. sketch), 9: 343. 1861 (material sent to B), 10: 216. 1862; Bot. Zeit. 9: 184. 1851 (decoration), 17: 320. 1859 (to Japan), 18: 192. 1860 (biogr. sketch in Illustr. Zeit.); Brit. Mus. gen. cat. print. books 257: 101. 1965; Flora 29: 656. 1846 (memb. Regensb. bot. Ges.), 42: 158. 1859 (Regierungsrath), 43: 16. 1860 (to Japan), 49: 144. 1866 (d.); Gard. Chron. 159: 218. 1966; Jahres-Ber. Schles. Ges. vaterl. Cultur 44: 75-78. 1867 (obit.); Lotos 16: 80. 1866 (obit. not., died of coal-monoxide poisoning); Österr. bot. Z. 11: 409. 1861 (material from E. Asiat. exp. to Berlin), 16: 123. 1866 (d.).
Ascherson, P., Verh. bot. Ver. Brandenburg 7: xix-xxii. 1865.
Blatter, E., Fl. Aden 14. 1914 (coll. Aden).
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Engler, A., Schles. Prov.-Bl., ed. Rübezahl 13(8): 392-398. 1874 (repr. 9 p., Liegnitz 1874) (obit., bibl.) (Lange leben ist nicht viel leben; viel denken ist viel leben).
Fischer, E., Gutenberg Jahrb. 1933: 210 (no. 81).
Iltis, H., Life of Mendel ed. 2. 121, 122, 153, 173. 1966.
Mägdefrau, K., Gesch. Bot. 274. 1973.
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Quisumbing, E., Philipp. geogr. J. 8: 27. 1964 (coll. Philipp.).
Regel, E., Gartenflora 10: 262. 1861, 15: 155. 1866.
Roberts, H.F., Plant hybridization before Mendel 173-183. 1965.
Sayre, G., Mem. New York Bot. Gard. 19(3): 414. 1975 (coll.); Bryologist 80: 520. 1976.
Schlechtendal, D.F.L. von, Bot. Zeit. 24: 88. 1866 (obit.).
Sydow, P., Deut. Bot.-Kalend. 1899: 187 (coll. "Herbar Fritze in Rybnik" [went later to B]).
Wichura, M.E., Flora 42: 393-408, 409-423, 425-433, *pl.* 7. 1859 ("Ein Ausflug nach Luleå-Lappmarken).

EPONYMY: *Wichuraea* M.J. Roemer (1847); *Wichuraea* C.G.D. Nees ex Reissek (1848).

**17.485.** *Über Stephanosphaera pluvialis* ... [Nova Acta Leopoldina] vol. xxvi, p. I (Nachtrag) [1858]. Qu.
*Co-author*: Ferdinand Julius Cohn (1828-1898).
*Publ.*: Jul 1858 (submitted 24 Jan 1857; KNAW rd. Jul-Sep 1858, Geol.-Soc. London rd. Jul-Oct 1858; Flora 14 Aug 1858), p. [1]-32, *pl. A-B*. *Copy*: NY. – Issued in Nova Acta Leop. 26(1): 1-32. *pl. A-B*. 1858.

**17.486.** *Die Bastardbefruchtung im Pflanzenreich* erläutert an den Bastarden der Weiden ... Mit 2 Tafeln in Naturselbstdruck. Breslau (Verlag von E. Morgenstern ...) 1865 [i.e. 1864]. Qu. (*Bastardbefr. Pflanzenr.*).
*Publ.*: Nov-Dec 1864 (Bot. Zeit. 9 Dec 1864, soeben erschienen; Flora 14 Dec 1864, soeben erschienen; ÖbZ 1 Jan 1865, soeben erschienen; J. Bot. Jan 1865), p. [i]-iv, [1]-95, [96], *pl. 1-2* (nature prints, see Fischer 1933). *Copies*: G(2), HH, NY.
*Ref.*: Ascherson, P., Verh. bot. Ver. Brandenburg 6: 307-308. Jul 1865 (rev.). J.W., Öster. bot. Z. 15: 97-98. 1 Mar 1865 (rev.).

Schlechtendal, D.F.L. von, Bot. Zeit. 23: 147-148. 5 Mai 1865 (rev.).
Sirks, M.J., Naturw. Wochenschr. ser. 2. 15. 681-692. 1916 (the significance of the year 1865 for the theory of evolution: Mendel, Naudin, Wichura).
Wimmer, F., Flora 48: 225-230. 1865.

**17.487.** *Aus vier Welttheilen.* Ein Reise-Tagebuch in Briefen ... Breslau (Verlag von E. Morgenstern) 1868. Oct. (*Aus vier Weltth.*).
*Publ.*: Mai 1868 (p. iv: Feb 1868; ÖbZ 1 Nov 1868; Bot. Zeit. 19 Jun 1868 ("soeben"), rev. 26: 635-636. 1868), portr., p. [i]-vii, [1]-456. *Copy*: HH.

**Widder, Felix Josef** (1892-1974), Austrian botanist; studied at the k.k. Carl-Franzens-Universität Graz 1910; on active service in World War I 1914-1919; Dr. phil. Graz 1919; assistant at the Institut für systematische Botanik, Graz 1919-1936; Unger prize 1920; habil. 1926; extra-ordinary professor of botany 1932; interim director of the Institute 1934-1936; director of the Institute and Botanical Garden 1936; on active service in World War II 1940-1943, regular professor of botany 1950, from 1964 emeritus professor. (*Widder*).

HERBARIUM and TYPES: GZU. – Further material in B (extant), L, LE, M (lich.), PRE, US, W, WU.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 491; BFM 867; Biol.-Dokum. 19: 10006; Bossert p. 435; Hirsch p. 322; IH 1 (ed. 1), 37, (ed. 2): 55, (ed. 3): 67, (ed. 4): 73, (ed. 5): 71, (ed. 6): 104; LS suppl. 29957; MW p. 528; NI 3: 8; Roon p. 123.

BIOFILE: Anon., Hedwigia 67: (164). 1927 (habil.), 73: (199). 1933 (e.o. prof. syst. bot.), 74: (142). 1934 (interim dir. Inst. Bot. Graz); Taxon 24(1): 25. 1975 (d.); Österr. bot. Z. 85: 320. 1936 ("wirklicher ausserordentlicher Professor für systematische Botanik" Graz).
Dagys, J., Lietuvos TSR Aukšt. Mokykl. Mokslo Darbai, Biol. 16(1): 130-131. 1977 (obit., Lithuanian journal at LC).
Degener, O. & I., Haw. Bot. Soc. Newsletter Dec 1974, p. 23 (obit. not.).
Janchen, E., Cat. fl. austr. 1: 10, 31, 36, 37, 889. 1960.
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 791. 1985.
Poelt, J., Phyton, Austria 17: 3-22. 1975 (obit., bibl., epon., list theses).
Teppner, H., Mitt. naturw. Ver. Steiermark 105: 11-20. 1975 (obit., portr., bibl.).
Verdoorn, F., ed., Chron. bot. 1: 83. 1935, 2: 34. 1936, 3: 27, 61, 62, 354. 1937.

COMPOSITE WORKS: (1) Founder and editor of *Phyton* 1-15, 1948-1974.
(2) Contributed to K.H. Rechinger, *Flora of lowland Iraq*, 1964.
(3) Contributed to Jahrbuch Ver. Schultze Alpenpfl., München 25: 104-177. 1960 and 28: 16-33. 1963: *Erzherzog Johann und seine Icones plantarum.*

FESTSCHRIFT: *Phyton*, vol. 16, 1974, 312 p. with portrait and dedication by J. Poelt & I. Thaler.

**17.488.** *Die Arten der Gattung Xanthium.* Beiträge zu einer Monographie ... Dahlem bei Berlin (Verlag des Repertoriums, ...) 1923. Oct. (*Art. Xanthium*).
*Publ.*: 20 Jul 1923, cover, p. [i-iv], [1]-221, [222-225], *pl. 1-4*, maps 1-4. *Copies*: HH, U; IDC 746 (105-109). Issued as Beih. Repert. sp. nov. Beih. 20, 1923.
*Additions*: 25 Feb 1937, *Über afrikanische Xanthium-Arten*, Repert. sp. nov. 41: [272]-284. 1937.
*Adventive Xanthium*: 1938, *Adventivfloristische Mitteilungen* II, Buenos Aires (Imprenta y casa editora "Coni" ...) 1938, cover-t.p., p. [1], [471]-481. 1938. *Copy*: U. – Reprinted and to be cited from Lilloa, 2(2): 471-481. 1938.

**17.489.** *Übersicht über die bisher in Europa beobachteten Xanthium-Arten und Bastarde* ... Sonderabdruck aus Fedde, Repertorium ... 1925. Oct.
*Publ.*: 20 Jul 1925, p. [273]-305 (alternative pagination, [689]-721). *Copy*: G. – Reprinted and to be cited from Repert. sp. nov. 21: [273]-305. 1925.

**17.490.** *Beiträge zur Kenntnis der Gattung Leontodon* I ... [Österr. bot. Z. 1927]. Oct.
*1*: 1927, cover, p. [271]-305. *Copy*: B. – Reprinted from Österr. bot. Z. 76(4), [271]-305. 1927.
*2*: 1931, id. 80: 136-148. 1931.
*3*: 1937, p. 77-84. *Copy*: B. – Id. Ber. geobot. Forschungsinst. Rübel 1936: 77-83. 1937.

**17.491.** *Draba norica*, eine neue Ostalpenpflanze ... Wien (Hölder-Pichler-Tempsky, A.-G., ...) 1931. Oct.
*Publ.*: 1931 (read 15 Oct 1931, cover-t.p. dated 1931), cover-t.p., p. [619]-632. *pl. 1-2. Copies*: B, H, U. – Reprinted and to be cited from S.B. Akad. Wiss. Wien, mat.-nat. Kl., Abt. I. 140(8): [619]-632. *pl. 1-2.* 1931.

**17.492.** *Kreuzungsversuche mit Xanthium-Sippen* ... Graz 1931 [i.e. 1932]. Oct.
*Publ.*: 1932 (reprint dated 1931 but publ. 1932 fide author), cover-t.p., p. [1]-8, *pl. 2. Copies*: B, U. – Reprinted or preprinted from Mitt. naturw. Ver. Steiermark 68: 165-167. 1932.

**17.493.** *Die alpinen Erigeron-Sippen der Koralpe* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft, ... 1932. Oct.
*Publ.*: 29 Mar 1932, p. [73]-86, *pl. 4-5. Copies*: B, U. – Reprinted and to be cited from Ber. deut. bot. Ges. 50(2): [73]-86, *pl. 4-5.* 1932.

**17.494.** *Beobachtungen an Draba Pacheri* Stur ... Sonderabdruck aus ... der Österreichischen botanischen Zeitschrift ... 1934. Oct.
*Publ.*: 1934, p. [255]-265. *Copy*: U. – Reprinted and to be cited from Österr. bot. Z. 83: [255]-265. 1934.

**17.495.** *Zur Kenntnis der Anemone styriaca* und ihres Bastardes mit Anemone nigricans ... Sonderabdruck aus Fedde, Repertorium ... [1934]. Oct.
*Publ.*: 30 Apr 1934 (in journal), p. [1]-48, *pl. 163-166. Copies*: B, FAS, NY. – Reprinted and to be cited from Repert. Sp. nov. 35: [49]-96. 1934 (alt. pag. [1]-48 in series Rep. europ. medit.).

**17.496.** *Die Bastarde der Doronicum-Arten* ... Graz ... 1935. Oct.
*Publ.*: Jun 1935, cover-t.p., p. 132-146, *pl. 7. Copies*: B, FAS, U. – Reprinted and to be cited from Mitt. naturw. Ver. Steiermark 71: 132-146, *pl. 7.* 1935.

**17.497.** *Vergleichende Morphologie einiger Xanthium-Sippen* ... Sonderabdruck aus "Beihefte zum Bot. Centralbl." ... 1935. Oct.
*Publ.*: Nov 1935, cover, p. [321]-368, *pl. 3-4. Copies*: B, HH. – Reprinted and to be cited from Beih. bot. Centralbl. 54(A): [321]-368, *pl. 3-4.* 1935.

**17.498.** *Vitus von Voncina* ... Sonderabdruck aus den Mitteilungen des Naturwissenschaftlichen Vereines für Steiermark ... 1936. [1937]. Oct.
*Publ.*: 1937, p. 158-160. *Copies*: FAS, U. – Reprinted and to be cited from Mitt. naturw. Ver. Steiermark 73: 158-160. 1936 (publ. 1937).

**17.499.** *Zur Kenntniss von Festuca stenantha* (Hackel) Richter ... [Sonderabdruck aus: C. Rübel, Bericht über das Geobotanische Forschungsinstitut Rübel ... ] 1938. Oct.
*Publ.*: 1938, p. [i, recto of p. 40], 40-50. *Copy*: U. – Reprinted and to be cited from Rep. Geobot. Forschungsinst. Rübel 1937: 40-50. 1938.

**17.500.** *Clavis nominum* ein Vorschlag ... Reprinted from Taxon ... 1952.
*Publ.*: 1952, p. 69-73. *Copy*: FAS. – Reprinted and to be cited from Taxon 1: 69-73. 1952 (proposed to publish a card index giving information on botanical collectors, handwriting samples and associated data).

**Widmer, Elisabeth** (1862-1952), German botanist in München. (*Widm.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 491; Biol.-Dokum. 19: 10007; BJI 1: 62; BM 5: 2315; DTS 1: 326; Hortus 3: 1207; TL-2/see J.H. Schultes.

**17.501.** *Die europäischen Arten der Gattung Primula* ... München (Druck und Verlag von R. Oldenbourg) 1891. Oct. (*Eur. Art. Primula*).
*Introduction*: by Carl Wilhelm von Nägeli (1817-1891), see TL-2/3: 681-685.
*Publ.*: Nov 1891 (p. vi: Oct 1891; Bot. Centralbl. 18 Dec 1891; Bot. Zeit. 29 Dec 1891; ÖbZ for Nov 1891), p. [i]-vi, [vii], [1]-154. *Copy*: BR, G, NY, U.
*Ref.*: Correns (Tübingen), Bot. Centralbl. 55: 41-45. 1893 (rev.).

**Widnmann, Friedrich** (1765-1848), German (Bavarian) botanist and physician at Eichstädt. (*Widnmann*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2315; Herder p. 159; Jackson p. 426; PR 745, 10222, ed. 1: 840, 11205; SO add. 785g.

**17.502.** *Catalogus systematicus* secundum Linnaei systema vegetabilium adornat: arborum, fruticum et plantarum celeberrimi *Horti Eystettensis*. Edidit Dr. Widnmann consil. medic. Eichstadiens. Norimbergae [Nürnberg] (in Officina Felseckeriana) 1805. Qu. (*Cat. syst. Hort. Eystett.*).
*Publ.*: 1805 (p. 4: 16 Oct 1804), p. [1]-79. *Copy*: G.
*French version*: 1806, Catalogue des arbres, arbrisseaux et plantes, qui croissaient dans l'ancien jardin ... d'Eystett, Eystedt 1806, 80 p. Qu. (*Cat. arbr. Eystett*).

**Wiedemann, Ferdinand [Johannes]** (1805-1887), Baltic-German Estonian-born linguist, teacher and librarian; studied law in Dorpat 1824-1826; teacher and lawyer 1826-1830; teacher at the Gymnasium illustre Mitau 1830-1837; head-teacher for Greek and librarian at the Governmental Gymnasium in Reval 1837-1857; at the Academy of Sciences, St. Petersburg for finnish-ugric languages from 1857. (*Wiedemann*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 625; Barnhart 3: 492; Herder p. 202; Jackson p. 329; PR 10224; Rehder 1: 361; TR 1598.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 257: 236-238. 1965; Cat. gén. livr. impr. Bibl. natl. 222: 1002-1006. 1975 (lists linguistic works).
Lipschitz, S., Fl. URSS fontes no. 271. 1975.
Welding, O. et al. (ed. W. Lang), Deutschbaltisches biogr. Lex. (1710-1960) 864 (further biogr. refs., b. 18 Mar 1805, d. 17 Dec 1887).

EPONYMY: *Wiedemannia* F.E.L. Fischer et C.A. Meyer (1838) honors Edward Wiedemann (d. 1844), medical doctor and plant collector in Asia Minor and Armenia.

**17.503.** *Beschreibung der phanerogamischen Gewächse Esth-, Liv- und Curlands* mit möglichst genauer Angabe der Fundorte und der geographischen Verbreitung nebst Andeutung über den Gebrauch in medicinischer, technischer und öconomischer Beziehung. Dazu mehrere Beilagen enthaltend eine kurze Erklärung der vorkommenden technischen Ausdrücke, eine tabellarische Übersicht der Pflanzen nach ihrem Nutzen und Schaden, eine Vergleichung unserer Flora mit den benachbarten und einen Pflanzenkalender mit Berücksichtigung der Standorte und Bodenverhältnisse ... Reval (Verlag von Franz Kluge) 1852. Oct. (*Beschr. phan. Gew. Esth.-, Liv- Curl.*).
*Co-author*: E. Weber, teacher at Reval.
*Publ.*: 1852 (p. ii: imprimatur 21 Mai 1882), p. [i]-cxxvi, [cxxvii-cxxviii], [1]-664, *pl. 1-4* (uncol. liths.). *Copies*: H, NY.
*Ref.*: Fürnrohr, A.E., Flora 36: 686-689. 1853 (rev.).
Ruprecht, F., Bull. Cl. phys.-math. Acad. Sci. St. Pétersb. 13(8): 113-127. 1855, Mél. biol. 1854(2): 144-146.

**Wiegand, Karl McKay** (1873-1942), American botanist; Dr. phil. Cornell. Univ. 1898; assistant in botany Cornell 1894-1899; instructor 1899-1907; assoc. professor of botany Wellesley College 1907-1913; professor of botany Cornell 1913-1941; emeritus professor 1941-1942. (*Wiegand*).

HERBARIUM and TYPES: CU, now consolidated with BH; further material in A, C, CUP, DBN, DPU, E, F, GB, GH, ISC, NY, PH, POM, TEX, US, WELC, WTU. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 492 (b. 2 Jun 1873, d. 12 Apr 1942); BJI 2: 190; BL 1: 203, 324; Bossert p. 435; CSP 19: 611; Hirsch p. 323; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Langman p. 802; MW suppl. 394; NW p. 61; PH 209; Rehder 2: 315; SIA see index; TL-2/779; Tucker 1: 744, 3: 334; Zander ed. 10, p. 732, ed. 11, p. 836.

BIOFILE: Adams, J., Trans. R. Canad. Inst. 16: 355. 1928, 17: 144, 265, 288, 289. 1930 (Bibl. Can. pl. geogr.).

Anon., Amer. men Sci. eds. 1-7. 1906-1944; Bot. Centralbl. 75: 159. 1898 (asst. curator), 104: 464. 1907 (app. Wellesley Coll.); Index Amer. bot. lit. 1886-1966. 4: 526-527. 1966 (bibl.); Natl. Cycl. Amer. Biogr. 42: 245-246. 1958; Nat. Nov. 18: 244. 1896 (asst. Cornell), 21: 520. 1899 (instructor), 29: 205-206. 1907 (app. Wellesley Coll.); Österr. bot. Z. 57: 175. 1907 (app. Wellesley Coll.); Who's who Amer. 12-23. 1922-1945; Who was who Amer. 2: 575. 1950.

Bates, D.M., ASC Newsletter 6(1): 5-6. 1978 (L.H. Bailey Herbarium and Wiegand herb. consolidated).

Core, E.L. et al., Bibl. W. Virginia plant life 45. 1962.

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House, H.H., New York State Mus. Bull. 328: 17, 28, 61, 62, 161, 163. 1942 (bibl. N.Y. State).

Humphrey, H.B., Makers N. Amer. bot. 262-263. 1961.

Knudson, L., Science ser. 2. 95: 449-450. 1942 (obit.).

Lowden, R.M., Taxon, Index pers. names vols. 1-10. 791. 1985.

Verdoorn, F., ed., Chron. bot. 1: 42, 297. 1935, 2: 340, 341, 342. 1936, 3: 306. 1937, 7: 142. 1943.

COMPOSITE WORKS: (1) *Synopsis of the Vegetable Kingdom*, *in* L.H. Bailey, Stand. Cycl. Hort. 1914-1917, TL-2/242.
(2) *Bidens*, *in* J.K. Small, Fl. Southeast. U.S. 1903, see TL-2/12.127 (22 Jul 1903).
(3) *Analytical key to the families of angiosperms* 1904 (TBC 29 Jul 1904), p. xi-xxiv, preprinted for N.L. Britton, *Man. fl. n. states* ed. 2, 1905; also in ed. 3, 1907, see TL-2/779.
(4) *Coreopsis*, *in* L.H. Bailey, Stand. cycl. Hort. 2: 844-846. 22 Jul 1914.

**17.504.** *The structure of the fruit in the order Ranunculaceae* ... Reprint from the Proceedings of the American microscopical Society 1894. Oct.
*Publ.*: 1894, cover-t.p., p. [i-iii], [69]-100, *pl. 1-8* (uncol.). *Copies*: HH, US. – Reprinted and to be cited from Proc. Amer. micr. Soc. 16: [69]-100, *pl. 1-8*. 1894.

**17.505.** *Galium trifidum* and its North American allies ... Reprinted from the Bulletin of the Torrey botanical Club ... 1897. Oct.
*Publ.*: 29 Jul 1897, p. [389]-403. *Copy*: HH. – Reprinted and to be cited from Bull. Torrey bot. Club 24(7): [389]-403. 1897.

**17.506.** *A revision of the genus Listera* ... Reprinted from the Bulletin of the Torrey botanical Club ... 1899. Oct.
*Publ.*: 12 Apr 1899, p. 157-171, *pl. 356-357*. *Copies*: HH, NY, US. – Reprinted and to be cited from Bull. Torrey bot. Club 26: 157-191, *pl. 356, 357*. 1899.

**17.507.** *Some species of Bidens* found in the United States and Canada ... Reprinted from the Bulletin of the Torrey botanical Club ... 1899. Oct.
*Publ.*: 17 Aug 1899, cover-t.p., p. 399-422. *Copies*: B, HH, NY. – Reprinted and to be

cited from Bull. Torrey bot. Club 20: 399-422. 1899. – *Also*: A new species of Bidens, ib. 24: 436. 30 Sep 1897.

**17.508.** Cornell University Department of Botany. *Investigations on the sporogeny and embryogeny of certain monocotyledons* ... A thesis submitted to the University Faculty of Cornell University for the degree of Doctor of Philosophy, June, 1898. Ithaca, N.Y. [1900]. Oct.
*Publ.*: Jul 1900 (or somewhat later), a consolidated reprint of two papers submitted in mss. for the degree, later printed in Bot. Gaz. as follows (*copy*: NY).
*Cover and t.p.*: 1900, p. [i].
*1*: The development of the microsporangium ... Potamogeton, reprinted and to be cited from Bot. Gaz. 28: 328-359, *pl. 24-25*. Nov 1899.
*2*: The development of the embryo-sac in some monocotyledonous plants ... id. 30: 25-47, *pl. 6-7*. Jul 1900.

**17.509.** *Juncus tenuis* Willd. and some of its North American allies ... Reprinted from the Bulletin of the Torrey botanical Club ... 1900. Oct.
*Publ.*: 26 Oct 1900, cover-t.p., p. 511-527. *Copies*: HH, NY, US. – Reprinted and to be cited from Bull. Torrey bot. Club 27: 511-527. 1900.

**17.510.** *A key to the genera of woody plants in winter* including those with hardy representatives found growing wild or in cultivation within New York State ... Ithaca, N.Y. 1904. Oct. (*Key gen. woody pl.*).
*Co-author*: Frederick William Foxworthy (1877-1950).
*Publ.*: 1904 (p. [5]: Mar 1904; Bot. Centralbl. 2 Aug 1904), p. [1]-27. *Copies*: HH, MO, NY, US, USDA.
*Ed. 2*: 1906 (p. [5]: Oct 1906; TBC 9 Apr 1907; Bot. Centralbl. 28 Mai 1907), cover, p. [1]-33. *Copies*: MO, NY, US, USDA.
*Ed. 3*: 1908 (p. [5]: Oct 1908), cover, p. [1]-33. *Copies*: HH, MO, NY.

**17.511.** *The genus Amelanchier* in Eastern North America ... Rhodora ... 1912. Oct.
*Publ.*: Jul 1912, p. [117]-162, *pl. 95-96*. *Copy*: HH. – Issued and to be cited as Rhodora 14(163): [117]-168, *pl. 95-96*. 1912.

**17.512.** *The genus Euphrasia* in North America ... Rhodora ... 1915. Oct.
*Senior author*: Merritt Lyndon Fernald (1873-1950).
*Publ.*: 30 Oct 1915 (reprint so dated), cover-t.p., p. [181]-201. *Copy*: US. – Reprinted and to be cited from Rhodora 17: [181]-201. 1915, Contr. Gray Herb. Harv. Univ. ser. 2. 44.

**17.513.** *Eupatorium purpureum* and its allies ... [Rhodora 1920]. Oct.
*Publ.*: Apr 1920, p. [57]-70. *Copy*: US. – Reprinted and to be cited from Rhodora 22: 57-70. 1920.

**17.514.** *Carex laxiflora* and its relatives ... Rhodora ... 1922. Oct.
*Publ.*: Oct 1922, p. [189]-201. *Copy*: US. – Reprinted and to be cited from Rhodora 24: [189]-201. 1922.

**17.515.** *Oxalis corniculata* and its relatives in North America ... Rhodora ... 1925. Oct.
*Publ.*: Jul-Aug 1925, p. [113]-124, 133-139. *Copy*: US. – Reprinted and to be cited from Rhodora 27: 113-124. Jul, 133-139. Aug 1925.

**17.516.** *The flora of the Cayuga Lake Basin*, New York vascular plants ... Ithaca, New York (published by the University) 1926. Oct. (*Fl. Cayuga Lake Bas.*).
*Junior author*: Arthur Johnson Eames (1881-1969).
*Publ.*: Mai 1926, p. [1]-491, map. *Copies*: BR, G, H, HH, MICH, MO, NY, PH, U, US. – Mem. 92, Cornell Univ. Agr. Expt. Station.

**Wiegmann, Arend [Joachim] Friedrich** (1770-1853), German (Schleswig) pharmacist; pharmaceutical training in Braunschweig 1784-1788; assistant pharmacist

Blankenburg 1788-1789; id. in various other places 1789-1794; in charge of his uncle's pharmacy in Braunschweig 1796-1820; "Privatdozent" for natural sciences at a college in Braunschweig from 1821; Dr. med. h.c. Marburg 1832; professor's title 1832; follower of F. Unger on the origin of life; early plant hybridiser. (*Wiegmann*).

HERBARIUM and TYPES: Some material in B (mainly destr.), JE, MW. – Original herbarium offered for sale in 1841, 1849 (in lottery); ultimate fate unknown. – *Letters* to D.F.L. von Schlechtendal in HAL; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(2): 1068; Ainsworth p. 154, 315, 348; Barnhart 3: 492; Biol.-Dokum. 19: 10016-10017; BM 5: 2316-2317; CSP 6: 360-361, 12: 782; De Toni 1: cxxx; GR p. 152-153; Herder p. 23, 126, 133, 354; LS 28819; Moebius p. 237, 243, 322, 343, 389, 412; PR 10225-10229, ed. 1: 11208-11212; Quenstedt p. 460; Rehder 5: 918; Urban-Berl. p. 410.

BIOFILE: Anon., Bonplandia 1: 19. 1853 (obit. not.), 2: 268. 1854 (cogn. Leopoldina: Triumfetti); Bot. Not. 1853: 78 (d. 12 Mar 1853), 1855: 160. 1866 (d.); Bot. Zeit. 8: 568. 1850 (herb. for sale), 11: 279. 1853 ("ein eifriger Botaniker"); Flora 36: 288. 1853 (d.), 37: 277. 1854 (d.); Österr. bot. W. 3: 108. 1853 (d. 12 März in 82. Lebensjahre: [correct because W. was born 30 Mar 1770]).

Callisen, A.C.P., Med. Schriftst.-Lex. 21: 140. 1835, 33: 290. 1845.

Hein, W.H. & H.D. Schwarz, Deut. Apoth. Biogr. 2: 744-745. 1978 (b. 30 Mar 1770; biogr. details).

Ilg, W., Hoppea 42: 38, 100, 211, 228, 314. 1984 (b. 30 Mar 1770, Hadersleben; d. 12 Mar 1853).

Iltis, H., Life of Mendel ed. 2. 119. 1966.

Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1321. 1863, 7a suppl. (3): 771.

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Stafleu, F.A., Regnum vegetabile 71: 325. 1970 (herbarium for sale, fide letter Schlechtendal to Miquel, 18 Apr 1850).

Wehnelt, B., Die Pflanzenpathologie der deutschen Romantik, Bonn 1944, p. 234 (index, many entries).

Whetzel, H.H., Outline hist. phytopath. 36-37. 1918 (W. works with Unger's autogenic doctrine of disease in plants).

Wiegmann, A.J.F., Intell.-Bl. Flora 1841(2) no. 1: 1-4. 1841 ("Verkauf der Herbariums ..." list of collections; 18.000 specimens); Bot. Zeit. 7: 511-512. 1849 (herb. still not sold; is in financial difficulties; 19.000 specimens, many regular exsiccatae; organises a lottery: 200 tickets); Flora 32: 384. 1849 (id.).

EPONYMY: *Wiegmannia* Meyen (1834).

NOTE: Not to be confused with his son Arend Friedrich August W. (1802-1841), zoologist, editor of the *Archiv für Naturgeschichte* (1835-1840, 6 vols.). The father wrote his name "A.F. Wiegmann sen.".

**17.517.** *Über die Bastarderzeugung im Pflanzenreiche.* Eine von der Königl. Akademie der Wissenschaften zu Berlin gekrönte Preisschrift ... Braunschweig (Druck und Verlag von Friedrich Vieweg) 1828. Qu. (*Bastarderz. Pfl.-Reich.*).

*Publ.*: 1828 (p. xii: Aug 1828; Flora rd. Oct-Dec 1828), p. [i]-xii, [1]-40, *1 pl.* (col. lith.). *Copies*: MO, NY. – Extract in Arch. gesammt. Naturlehre, ed. K.W.G. Kastner, 15: 204-209. 1818. – Dedicated to D.H. Hoppe.

**17.518.** *Ueber das Einsaugungs-Vermögen der Wurzeln* ... Marburg (bei J. Chr. Krieger und Comp.) 1828. Oct.

*Publ.*: 1828 (p. 18: 20 Nov 1827), p. [i], [1]-18. *Copy*: B-S. – Issued in Schr. Ges. Beförd. gesammt. Naturw. Marburg 2(1): [1]-18. 1828.

**17.519.** *Die Krankheiten* und Krankhaften Missbildungen *der Gewächse*, mit Angabe der Ursachen und der Heilung oder Verhütung derselben, sowie über einige den Gewächsen

schädliche Thiere und deren Vertilgung. Ein Handbuch für Landwirthe, Gärtner, Gartenliebhaber und Forstmänner ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1839. Oct. (*Krankh. Gew.*).
*Publ.*: 1839 ("vorgelegt" 7 Jan 1839, Flora), frontisp., p. [i]-viii, [ix-xii], [1]-176. *Copies*: G, NY.

**17.520.** *Ueber die anorganischen Bestandtheile der Pflanzen*, oder Beantwortung der Frage: Sind die anorganischen Elemente, welche sich in der Asche der Pflanzen finden, so wesentliche Bestandtheile des vegetabilischen Organismus, dass dieser sie zu seiner völligen Ausbildung bedarf, und werden sie den Gewächsen von Aussen dargeboten? Eine in Göttingen im Jahre 1842 gekrönte Preisschrift, nebst einem Anhange über die fragliche Assimilation des Humusextractes ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1842. Oct. (*Anorgan. Bestandth. Pfl.*).
*Publ.*: 1842 (rd. before 28 Dec 1842 by Flora, rev. ib. 26: 21-35. 1843), p. [1]-55. *Copies*: G, NY. – N.B. A Dutch translation, *Over de anorganische bestanddeelen der planten*, Leiden 1843, could, as so often, not be located in the Dutch libraries.

**Wieland, George Reber** (1865-1953), American palaeontologist; B.S. Pennsylvania State College 1893; at University of Göttingen 1894; Dr. phil. Yale 1900; teacher at Chester, Pennsylvania 1895-1898; from 1899 palaeontologist at Yale University (fellow 1899, lecturer 1906, res. asst. 1920, assoc. prof. 1924-1935) and associate of the Carnegie Institution. (*Wieland*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 348; BM 8: 1430; Bossert p. 435; CSP 19: 602; PH 444; SIA see index.

BIOFILE: Andrews, H.N., Fossil hunters 231-235, 415. 1980.
Anon., Amer. men sci. ed. 1: 347. 1906, ed. 2. 510. 1910, ed. 3: 738. 1921, ed. 4: 1059. 1927, ed. 5. 1903. 1933, ed. 6. 1537. 1938, ed. 7. 1931. 1944, ed. 8. 1949; Index Amer. bot. lit. 1886-1966. 4: 527-528. 1969; Natl. cycl. Amer. biogr. 39: 219. 1954 (b. 24 Jan 1865, d. 18 Jan 1953); Who's who New England 1: 1012. 1909, 3: 1359. 1938; Who was who Amer. 3: 915. 1960; Who's who in America 9-23, 1916-1945.
Nickles, J.M., Bibl. N. Amer. geol. 1919-1928. 667-668. 1931.
Verdoorn, F., ed., Chron. bot. 1: 40, 188, 305, 316. 1935, 2: 304. 1936, 3: 261, 272, 319. 1937, 4: 285. 1938.

COMPOSITE WORKS: With L.F. Ward et al., *Status of the Mesozoic floras of the United States*, 2 vols., Washington 1905, TL-2/16.700.

EPONYMY: *Wielandia* A.G. Nathorst (1909); *Wielandiella* A.G. Nathorst (1910); *Note*: *Wielandia* Baillon (1858) was probably named for J.F. Wieland (1804-1872).

**17.521.** *A study of some American fossil cycads.* Part I. ... From the American Journal of Science ... 1899. Oct.
*1*: Mar 1899, p. [219]-226, *pl. 2-4.* – Reprinted and to be cited from Amer. J. Sci. 7: [219]-226, *pl. 2-4.* 1899.
*2*: Apr 1899, p. [305]-308, *pl. 7.* – Id. 7: 305-308, *pl. 7.* 1899.
*3*: Mai 1899, p. [383]-391, *pl. 8-10.* – Id. 7: 383-391. 1899.
*4*: Jun 1901, cover-t.p., p. 423-436. – Id. 11: 423-436. 1901.
*5*: Aug 1911, cover-t.p., p. 133-155. – Id. 32: 133-155. 1911.
*6*: Feb 1912, cover-t.p., p. [73]-91. – Id. 33: 73-91. 1912.
*7*: Aug 1914, cover-t.p., p. [117]-136. – Id. 38: 117-136. 1914.
*8*: Nov 1918, cover-t.p., p. 645-650. – Id. 46: 645-650. 1918.
*Copy*: NY.

**17.522.** *Notes on living Cycads.* 1. On the Zamias of Florida ... from the American Journal of Science ... 1902. Oct.
*Publ.*: Mai 1902, cover-t.p., p. [331]-338. *Copy*: G. – Reprinted and to be cited from

Amer. J. Sci. ser. 4. 13: 331-338. 1902. – Also: *A study on some American fossil cycads.* Ib. ser. 4. 7: 219-226, 305-308, 383-391. 1899, ser. 4. 11: 423-436. 1901; *Cycadean monoecism*, ib. ser. 4. 8: 164. 1899.

**17.523.** *Polar climate in time the major factor in the evolution of plants and animals* ... From the American Journal of Science ... 1903. Oct.
*Publ.*: Dec 1903, cover-t.p., p. [401]-430. *Copy*: NY. – Reprinted and to be cited from Amer. J. Sci. 16: 401-430. 1903.

**17.524.** *American fossil Cycads* ... Washington (Published by the Carnegie Institution) 1906.
*1*: Aug 1906 (TBC 8 Nov 1906; Bot. Zeit. 1 Jan 1907; Bot. Centralbl. 5 Mar 1907), frontisp., p. [i]-viii, [1]-295, [296, err.], *pl. 1-4, 4a, 5-50* (frontisp., plates and figures 3, 44, 94, in all *55 pl.*). *Copies*: B, HH, MO, NSUB, US. – Carnegie Inst. Washington Publ. 34.
*2* (*Taxonomy*): 28 Jul 1916, p. [i]-vii, [1]-277, *pl. 1-58.* – Id. 34-II.
*Ref.*: Penhallow, D.P., Bot. Centralbl. 105: 187-188. 27 Aug 1907 (rev.). Solms, H., Bot. Zeit. 66: 62-66. 16 Feb 1908 (rev.).

**17.525.** *The Williamsonias of the Mixteca alta* ... Reprinted from the Botanical Gazette ... 1909. Oct.
*Publ.*: 18 Dec 1909, cover-t.p., p. 427-441. *Copies*: NY, US. – Reprinted and to be cited from Bot. Gaz. 48: 427-441. 1909.

**17.526.** *On the Williamsonian tribe* ... From the American Journal of Science ... 1911. Oct.
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**17.527.** *La flora liasica de la Mixteca alta* Mexico (imprenta y fototypia de la Secretaria de Fomento ...) 1914-1916, 2 vols. (*Fl. lias. Mixteca alta*).
*Text*: 1914, cover, p. [i]-vi, [1]-165.
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*Preliminary publ.*: The Liassic flora of the Mixteca alta of Mexico, ... Amer. J. Sci. 36: 251-281. Sep 1913 (reprint, cover-t.p., p. 251-281. *Copy*: NY).

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**17.529.** *Distribution and relationships of the Cycadeoids* ... Reprinted from the American Journal of Botany, ... 1920. Oct.
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**17.530.** *The El Consuelo Cycadeoids* ... Reprinted from The Botanical Gazette ... 1926. Oct.
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**17.533.** *Fossil Cycads*, with special reference to Raumeria Reichenbachiana Goeppert sp. of the Zwinger of Dresden ... Stuttgart (E. Schweizerbart'sche Verlagsbuchhandlung ...) 1934. Qu. (*Foss. Cycads*).
*Publ.*: 1934, p. [i-ii], [85]-130, *5 pl.* and *pl. 9-20*, p. [i-ii], expl. pl. *Copies*: US, USGS. – Issued as Palaeontographica 79(B): [85]-130, and pl.

**17.534.** *The Cerro Cuadrado petrified forest* ... Washington (Carnegie Institution) 1935. Oct. (*Cerro Cuadrado petrif. for.*).
*Publ.*: Apr 1935, frontisp., p. [i]-viii, [ix], [1]-180, *pl. 1-33*. *Copies*: B-S, HH, MO, NSUB, US.

**Wierzbicki, Peter** [baptised Petrus Paulus Wirzbicki], Galician surgeon, botanist and entomologist; studied pharmacy and surgery in Hungary; surgeon's and pharmacist's diploma Pest 1828; assistant professor for botany and chemistry at Keszthely ca. 1820; regional physician in Orawiza in the mining industry in the Austrian Crownland Banat from ca. 1830; active plant collector and floristic botanist. (*Wierzb.*).

HERBARIUM and TYPES: GJO (rd. through G. von Berg 1853). – Other material at B (extant), BP, E, FI, GOET, LE, LI, MW, NA, OXF, P, PRC. – *Manuscripts*: *Flora comitatus Monsoniensis*, 2 vols., Qu. 1820, an *Enumeratio* and an *Elenchus plantarum* in BP. *Exisccatae*: see J.A. Heuffel, *Plantarum rariorum Hungariae et Transsylvaniae* fasc. 1-10.

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BIOFILE: Anon., Bot. Zeit. 5: 359. 1847 (herb. of 30.000 specim.), 6: 72. 1848 (d.); Flora 30: 148. 1847 (obit. not.).
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EPONYMY: *Wierzbickia* H.G.L. Reichenbach (1841) probably honors this author but no derivation was given.

HANDWRITING: Taxon 1: 69, 70. 1952.

**Wiesbaur, Johann Baptist** (1836-1906), Austrian clergyman and botanist; originally jesuit priest, later secular priest and teacher at high schools in Mariaschein and (from 1898) at Duppau in Moravia; died at Leschna, Moravia. (*Wiesb.*).

HERBARIUM and TYPES: Important material at BRNU and PR; further material in A, B (extant, large set), BR, C, E, F, GB, GH, GOET, LI, MANCH, OXF, PL, U, W, WRSL. – *Letters* to K. Keck in UPS-UB, other letters in G.

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BIOFILE: Anon., Allg. bot. Z. 12: 208. 1906 (d.), 13: 20. 1907 (d. 8 Nov 1906); Bot. Centralbl. 104: 32. 1906 (d.); Nat. Nov. 28: 653. 1906 (d.); Österr. bot. Z. 56: 455. 1906 (d.).
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**17.535.** *Zur Flora von Nieder-Oesterreich* ... [Verh. zool.-bot. Ges.]. Wien 1873 [1874]. Oct.
[*1*]: Jan-Mar 1874 (read 5 Nov 1873; preface 23(4) dated Dec 1873; completed vol. in hands of members Apr 1874), p. [543]-546. *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ges., Wien 23(4): 543-546. 1874.
[*2*]: Apr 1876, p. [821]-826. *Copy*: MO. – Id. 25(2): 821-826 (for 1875, publ.:) Apr 1876.

**17.536.** *Die Veilchenbastarde Nieder-Oesterreichs* ... Wien (Verlag der k.k. zoologisch-botanischen Gesellschaft ...) 1882. Oct.
*Publ.*: Mar-Jul 1882 (see TL-2/2270; Bot. Centralbl. 31 Jul-4 Aug 1882), cover-t.p., p. [1]-4. *Copies*: B, G. – Reprinted and to be cited from E. v. Halácsy und H. Braun, *Nachtr. Fl. Nieder-Oesterr.* 1882, TL-2/2270.

**17.537.** *Die Rosenflora von Travnik in Bosnien* ... Separatabdruck aus der Oesterreich. botan. Zeitschrift ... 1883, 1884. Oct.
*Publ.*: Nov 1883-Mai 1884 (in journal), p. [1]-23. *Copies*: BR, HH, NY. – Reprinted and to be cited from Österr. bot. Z. 33: 345-349. Nov, 393-396. Dec 1883, 34: 12-14. Jan, 42-45. Feb, 92-96. Mar, 128-131. Apr, 170-173. Mai 1884.
*Ergänzungen*: Oct 1885, p. [1]-8. *Copies*: HH, NY. – Id. 35: 337-344. 1885. – "Autoreferat" of both publ. Bot. Centralbl. 25: 270-272. 22-26 Feb 1886.

**17.538.** *Einiges über Veilchen* ... Separatabdruck aus der Oesterr. botan. Zeitschrift ... 1886. Oct.
*Publ.*: Jun 1886, p. [1]-3. *Copy*: G. – Reprinted and to be cited from Österr. bot. Z. 36: 189-192. 1886. – "Autoreferat" Bot. Centralbl. 31: 239. 29 Aug-2 Sep 1887.

**17.539.** *Neue Rosen vom östlichen Erzgebirge* ... Separatabdruck au der Oesterreich. botan. Zeitschrift ... 1886. Oct.
*Publ.*: Oct 1886 (in journal; Bot. Monatschr. Nov-Dec 1886), p. [1]-6. *Copy*: BR. – Reprinted and to be cited from Österr. bot. Z. 36: 325-330. 1886. – "Autoreferat" Bot. Centralbl. 31: 98-99. 18-29 Jul 1887.

**17.540.** *Beiträge zur Rosenflora von Oberösterreich*, Salzburg und Böhmen ... Linz (Im Selbstverlage ...) 1891. Oct.
*Co-author*: Michael Haselberger.
*Publ.*: Mar-Apr 1891 (p. v: 23 Oct 1890; copy BR rd. 29 Apr 1891; Bot. Zeit. 28 Aug 1891; Nat. Nov. Aug(2) 1891), cover-t.p., p. [i]-v, [1]-40. *Copies*: B, BR, G, H, HH, NY. – Issued as Ber. Mus. Francisco-Carolinum, Linz no. 49. 1891. – "Autoreferat" Bot. Centralbl. Beih. 3(7): 516-517. 1892.

**17.541.** *Das Vorkommen des echten Ackerehrenpreises* (Veronica agrestis L.) in Oberösterreich) ... Linz (Im Selbstverlage) [1872]. Oct.
*Publ.*: 1882 (p. 30: 24 Mai 1892; Bot. Centralbl. 26 Oct 1892; Nat. Nov. Nov(1) 1892), p. [1]-30, [31, cont.]. *Copy*: HH. – Reprinted and to be cited from Jahrb. Ver. Naturk. Linz 1892.

**Wiesner, Julius** [von] (1838-1916), Austrian (Moravia-born) botanist; studied at the Brünn Polytechnic and University of Vienna; Dr. phil. Jena 1860; habil. Polytechnical Institute, Vienna 1861, lecturer 1861-1868; associate professor 1868-1870; e.o. professor of plant physiology at the Mariabrunn Forestry Institute 1870-1880; ord. professor of plant anatomy and physiology at the University of Vienna 1873-1909; Hofrat 1893; ennobled 1909; travelled in India and the Dutch East Indies 1893-1894, in Spitzbergen in N. America 1904. (*Wiesner*).

HERBARIUM and TYPES: BRNM (early floristic work done at Brünn (Brno)). – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 492 (b. 20 Jan 1838, d. 12 Oct 1916); BFM 2957; Biol.-Dokum. 19: 10031-10032; BJI 1: 63, 2: 190; BL 1: 5, 324, 2: 7, 732; BM 5: 2318, 8: 1430-1431; Bossert p. 435; CSP 6: 362-363, 763, 8: 1237, 11: 805-806, 12: 783, 19: 606-607; DSB 14: 349-350 (R. Biedl); Frank 3 (Anh.): 113; Futak-Domin p. 656; GR p. 462-463; Herder p. 39, 126, 386, 435; Jackson see index; JW 1: 452; Klásterský p. 203-204; KR p. 761; LS 28821-28829; Merrill p. 176, 458 (index); Morren ed. 2, p. 14, ed. 10, p. 29; NI 3: 66; PR 10230, 10232, 10673; Rehder 5: 919-920; SO 2944; TL-2/4031, see F. Krasser, L. Simonkai; Tucker 1: 744-745, 780, 3: 334; WU 56: 88-93.

BIOFILE: Anon., Bot. Centralbl. 1-2: 736. 1880 (v. Höhnel succeeds Wiesner at Polytechnic), 29: 320. 1887 (Akad. Stockholm), 59: 223. 1894 (jubilee), 73: 160. 1898 (decoration), 78: 64. 1899 (Lotos), 80: xvi, 516. 1899 (Akad. Berlin), 90: 640. 1902 (FMLS), 93: 80. 1903 (Acad. Turin), 95: 240. 1904 (Akad. München), 98: 512. 1905 (Acad. Copenhagen), 99: 560. 1905 (member Herrenhaus), 104: 352. 1902 (Dr. h.c. Wien), 110: 592. 1909 (Acad. Paris), 111: 496. (succeeded by H. Molisch), 576 (ennobled). 1909, 120: 64. 1912 (Akad. Stockholm), 134: 80. 1917 (d.); Bot. Zeit. 28: 712, 744. 1870 (to Mariabrunn), 31: 720. 1873 (Univ. Wien), 38: 544. 1880 (v. Höhnel succeeds W at Polytechnic), 67: 351. 1909 (ennobled; successor H. Molisch); Brit. Mus. gen. cat. print. books 257: 359-361. 1965; Cat. gén. livr. impr. Bibl. natl. 223: 245-248. 1975; Deut. biogr. Jahrb. 1 (1914-1916): 371-372. 1925; Nat. Nov. 21: 456. 1899 (Akad. München), 22: 64. 1900 (Akad. Berlin), 25: 563. 1903 (corr. memb. Acad. Turin), 26: 80. 1904 (Akad. München), 27: 375. 1905 (Acad. Copenhagen), 29: 385 (retirem.), 551 (Senckenb.). 1907, 31: 267, 287. 1909 (Acad. Paris); Österr. bot. Z. 16: 362. 1866 (app. Polytechnic), 18: 302. 1868 (e.o. prof.), 23: 328. 1873 (app. Univ. Wien), 30: 270. 1880 (retirem. from Polytechnic), 43: 112. 1893 (Hofrath), 44: 319. 1894 (jubilee; Wiener medal), 52: 251. 1902 (FMLS), 66: 212. 1916 (d.); Österr. Naturf. Techniker 105-107. 1951; Ottuv slovn. naučn. 27: 225-226. 1908.

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FESTSCHRIFT: (1) Linsbauer, K. et al., *Wiesner und seine Schule*. Ein Beitrag zur Geschichte der Botanik, Festschrift ... Herrn ... Wiesner ... gewidmet von seinen Schülern, Wien (Alfred Hölder (...) 1903, xviii, 260 p. (with extensive dedication and bibl. 213 nos. up to 1903; portr.); *Supplement*, Wien (id.) 1910, 72 p., preface by A. Burgerstein.

(2) *Wiesner-Festschrift* im Auftrage des Festkomitees redigiert von K. Linsbauer, Wien (Verlagsbuchhandlung Carl Konegen ...) 1908,. viii, 548 p., *23 pl.*

EPONYMY: *Wiesnerella* Schiffner (1896); *Wiesnerina* F. von Höhnel (1907); *Wisneria* [sic] Micheli (1881).

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**17.543.** *Die technisch verwendten Gummiarten, Harze und Balsame.* Ein Beitrag zur wissenschaftlichen Begründung der technischen Waarenkunde ... Erlangen (Verlag von Ferdinand Enke) 1869. Oct. (*Gummiart. Harz. Balsam.*).
*Publ.*: 1869 (p. vi: 1 Oct 1869), p. [i]-viii, [1]-205, [207, err.]. *Copy*: HH.

**17.544.** *Beiträge zur Kenntniss der indischen Faserpflanzen* und der aus ihnen abgeschiedenen Fasern, nebst Beobachtungen über den feineren Bau der Bastzellen ... Aus ... Sitzb. d. k. Akad. d. Wissensch. ... 1870. Oct.
*Publ.*: Aug-Dec 1870 (read 14 Jul 1870; Flora 10 Feb 1871), p. [1]-36, *pl. 1-2. Copy*: HH. – Reprinted or preprinted from S.B. Akad. Wiss., Wien, Abth. 2. 62: 171-206. 1870.

**17.545.** *Die Rohstoffe des Pflanzenreiches.* Versuch einer technischen Rohstofflehre des Pflanzenreiches ... Leipzig (Verlag von Wilhelm Engelmann) 1873. Oct. (*Rohst. Pflanzenr.*).
*Ed.* [*1*]: Nov 1873 (p. vi: Oct 1873; rev. ÖbZ 1 Mai 1874 by A.E. Vogl; Bot. Zeit. 19 Dec 1873), p. [i]-viii, [1]-846, [847]. *Copies*: G, H, HH.
*Ed. 2*: 1900-1903, 2 vols. *Copies*: H-UB, HH, PH. – Zweite gänzlich umgearbeitete und erweiterte Auflage ... Leipzig (id.) 1900-1903. Oct. – *Collaborators*: Max Bamberger, Wilhelm Figdor, F.R. von Höhnel, T.F. Hanausek, F. Krasser, F. Lafar, K. Mikosch, H. Molisch, A.E. v. Vogl, K. Wilhelm and S. Zeisel (Wien.
*1*: Feb-Aug 1900 (p. v: Jul 1900; in 5 Lieferungen 1: 1-160. Feb 1900, 2: 161-320. Apr 1900, 3: 321-480. Mai 1900, 4: 481-640. Jul 1900, 5: 641-795. Aug 1900), p. [i]-xi, [1]-795, [796, colo.].
*2*: 1901-1903 (in 7 Lieferungen, 6: 1-160. Sep-Oct 1901, 7: 161-320. Jan 1902, 8: 321-480. Feb-Mar 1902, 9: 480-640. Apr 1902, 10: 641-800. Jul 1902, 11-12: 801-1070. Mar 1903), p. [i]-vi, [1]-1070, [1071, err.], [1072, colo.].
*Ed. 3*: 1914-1921, 3 vols. *Copies*: BR, G, H-UB, HH, PH. Dritte, umgearbeitete und erweiterte Auflage ... Leipzig und Berlin (id.). Oct. – *Collaborators*: Max Bamberger, Wilhelm Figdor, F.R. von Höhnel, T.F. Hanausek, M. Hönig, G. van Iterson, F. Krasser, F. Lafar, K. Linsbauer, K. Mikosch, J. Moeller, Hans Molisch, K. Wilhelm and S. Zeisel.
*1*: 1914 (p. vi: Nov 1913; ÖbZ Mai-Jun 1914; Nat. Nov. Apr(2) 1914), p. [i]-x, [1]-759.
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*3*: 1921 (p. iii: Sep 1920; ÖbZ Mar-Jun 1921), p. [i]-vi, [1]-1018, [1019, err.]. – Nach dem Tode J. von Wiesner[s] and T.F. Hanausek[s] fortgesetzt von J. Moeller.
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*1 Alkaloide bis Hefen*: 1927 (p. iv: Jan 1927; rev. Mattfeld, Bot. Jahrb. 15 Nov 1927; Nat. Nov. Jul 1927), p. [i]-iv, [1]-1122.
*2 Hölzer bis Zucker*: 1928 (rev. Mattfeld, Bot. Jahrb. 15 Sep 1928; Nat. Nov. Mai 1928), p. [i]-iii, 1123-2253.
*Ed. 5*: 1962-1968, 7 Lieferungen. *Copies*: G, H. – Fünfte Auflage herausgegeben von Constantin von Regel ... Weinheim (Verlag von J. Cramer) 1962-1966. Oct.

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3. *Organic acids*: 1964, p. [i-v], 1-194. – By G.C. Whiting.
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**17.546.** *Die Entstehung des Chlorophylls* in der Pflanze. Eine physiologische Untersuchung ... Wien (Alfred Hölder ...) 1877. Oct. (*Entst. Chloroph.*).
*Publ.*: 1877 (p. vii: Dec 1876; rev. ÖbZ 1 Mai 1877), p. [i]-vii, [ix-x], [1]-120. *Copy*: B.

**17.547.** *Elemente der Anatomie und Physiologie der Pflanzen* ... Wien (Alfred Hölder ...) 1881. Oct. (*Elem. Anat. Physiol. Pfl.*).
*Ed.* [*1*]: 1881 (p. vii: Jun 1881; "soeben" Bot. Zeit. Oct 1881; ÖbZ 1 Nov 1881 rev.; Nat. Nov. Oct(3) 1881), p. [ii]-x, [1]-276. *Copy*: HH. – Alt. t.p.: *Elemente der wissenschaftlichen Botanik*. Erster Band.
*Ed. 2*: Jan 1885 (p. viii: Dec 1884; Bot. Zeit. 27 Mar 1885; ÖbZ 1 Apr 1885 rev.; Flora Apr 1885; Nat. Nov. Oct(2) 1885), p. [ii]-x, [1]-315, [316, err.]. *Copies*: G, H, HH.
*Ed. 3*: Oct 1890 (p. iii: Mai 1890; Bot. Zeit. 31 Oct 1890; ÖbZ Oct 1890; Nat. Nov. Dec(1) 1890), p. [ii*-iv*], [i]-vi, [1]-350, [351, err.], [352, colo.]. *Copies*: G, H.
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*Translations*: Greek 1885, Italian 1892, Russian.

**17.548.** *Elemente der Organographie, Systematik und Biologie der Pflanzen* . Mit einem Anhang: die historische Entwicklung der Botanik ... Wien (Alfred Hölder ...) 1884 [i.e. 1883]. Oct. (*Elem. Organogr., Syst., Biol. Pfl.*).
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*Ed. 2*: Mar 1891 (p. vii: Nov 1890; ÖbZ 1 Mar 1891; Bot. Zeit. 29 Mai 1891; Bot. Centralbl. 6 Mai 1891; Nat. Nov. Mai(1) 1891), p. [ii]-xiii, [1]-368. *Copies*: G, H, USDA. – Main title now: *Organographie und Systematik der Pflanzen*.
*Ed. 3*: Sep 1909 (p. ix: 1 Jun 1909; AbZ 15 Oct 1909; ÖbZ for Oct-Nov 1909; Nat. Nov. Nov(2) 1909), p. [ii]-xix, [xx, err.], [1]-448. *Copies*: BR, G, H, MO, USDA. – Bearbeitet von Karl Fritsch.
*Transl.*: Italian, transl. by R.E. Solla, 1892-1893 (in parts): *Organografia e sistematica delle piante*.

**17.549.** *Biologie der Pflanzen*. Mit einem Anhang: Die historische Entwicklung der Botanik ... Wien (Alfred Hölder ...) 1889. Oct. (*Biol. Pfl.*).
*Ed.* [*1*]: Feb-Mar 1889 (p. vi: Feb 1889; Bot. Zeit. 29 Apr 1889; Bot. Centralbl. 17 Apr 1889; ÖbZ 1 Mai 1889; J. Bot. Mai 1889; Nat. Nov. Mar(2) 1889), p. [ii]-ix, [1]-305, [306, colo.], map. *Copies*: BR, G, H. – Alt. t.p.: Elemente der wissenschaftlichen Botanik. Dritter Band.
*Ed. 2*: Mai 1901-Jan 1902 (rev. by O. Drude, published in parts, Lief. 1 Mai 1908; Nat. Nov. Feb(1) 1902). *Copy*: H-UB.
*Ed. 3*: Apr 1913 (p. [viii]: Feb 1913; AbZ 31 Mai 1913; ÖbZ for Apr 1913; Nat. Nov. Mai(1) 1913), p. [ii]-x, [1]-384, map. *Copies*: BR, CU, MO, Wagenitz.

**17.550.** *Die Beziehungen der Pflanzenphysiologie zu den anderen Wissenschaften*. Inaugurations-

rede gehalten am 24. October 1898 ... Wien (Alfred Hölder ...) 1898. Oct. (*Bez. Pfl.-Physiol.*).
*Publ.*: Oct 1898 (read 24 Oct 1898; Bot. Zeit. 16 Dec 1898; ÖbZ for Oct 1898), p. [1]-48. *Copy*: B.
*English transl.*: 1899, *in* Smiths. Ann. Rep. 1898: 427-444. 1899. *The relation of plant physiology to the other sciences.*

**17.551.** *Jan Ingen-Housz.* Sein Leben und sein Wirken als Naturforscher und Arzt ... Wien (Verlagsbuchhandlung Carl Konegen ...) 1905. Oct. (*Ingenhousz*).
*Collaborators*: Theodor Escherich, Ernst Mack, R. von Töply, R. Wegschneider.
*Publ.*: 1905, frontisp., p. [i]-x, [1]-252, facsim. *Copy*: NSUB.

**Wigand, [Julius Wilhelm] Albert** (1821-1886), German (Hessen) botanist at Marburg; studied at the University of Marburg 1840-1844; state teachers exam. 1844; studied botany and zoology in München and Berlin 1844-1845 and botany with M. Schleiden in Jena 1845-1846; Dr. phil. and habil. Marburg 1846; e.o. professor of botany 1851; director of the Marburg pharmacognostic institute 1854; ord. prof. of botany and director of the botanical garden 1861 (succeeding Wenderoth); Geheimrat 1885. (*Wigand*).

HERBARIUM and TYPES: MB (150.000); including the G.W. Bischoff herbarium and that of W. Lechler and excluding the herbarium of G.E.L. Hampe, (25.000) which is now at BM. – *Letters* to D.F.L. von Schlechtendal at HAL; other letters at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 42: 445-449; Barnhart 3: 493 (b. 21 Apr 1821, d. 22 Oct 1886); BFM 350; Biol.-Dokum. 19: 10034; BJI 1: 63; BM 5: 2318; Bossert p. 435; CSP 6: 363, 8: 1238, 11: 806, 12: 783, 19: 608; De Toni 1: cxxx, 2: cxxii; DSB 14: 350 (P. Smit); Frank 3 (Anh.): 113; GR p. 153; Herder p. 485 [index]; Jackson p. 74, 306, 429; LS 28831-28834; Moebius p. 57, 177, 185, 209; Morren ed. 2, p. 8, ed. 10, p. 15; PR 10233-10240, ed. 1: 11214; Rehder 5: 920; TL-2/see G.E.L. Hampe, W. Lechler; Tucker 1: 745, 2: xl.

BIOFILE: Anon., Ber. Ver. Naturk. Kassel 34-35: xv-xvi. 1889; Bot. Centralbl. 28: 224. 1886 (d.), 30: 189. 1887 (request donations memorial); Bot. Monatschr. 6: 111. 1888 (Hampe herb. from A. Wigand's estate, for sale); Bot. Zeit. 8: 568. 1850 (trip Hamburg, Berlin, Wien, Triest), 20: 56. 1862 (ord. prof.), 44: 744. 1886 (d.), 45: 262-263. 1887 (request for donations for memorial); Brit. Mus. gen. cat. print. books 257: 387-388. 1965; Cat. gén. livr. impr. Bibl. natl. 223: 291. 1975; Chem. Zeit. 10(87): 1357. 1886; Leopoldina 22: 215. 1886 (obit.); Österr. bot. W. 1: 186. 1851 (e.o. prof.); Österr. bot. Z. 12: 95. 1862 (ord. prof.), 36: 434. 1886 (d.).
Carus, C.G. & C.F.P. von Martius, Eine Altersfreundschaft in Briefen 39, 114, 137, 161. 1939 (ed. G. Schmid).
Dennert, E., Flora 69: 531-539. 1886 (obit., bibl.).
Gregory, E.L., Bot. Gaz. 12: 16. 1887 (obit., Eichler and Pfeffer were among his students).
Kohl, F.G., Bot. Centralbl. 28: 350-352, 381-384. 1886.
Lehmann, B., Julius Wilhelm Albert Wigand 1821-1886, Marburg 1973, viii, 262 p.
Lengyel, I., Term. kölön. 19: 513. 1887.
Ludwig, W., Hess. florist. Briefe 16: 13-14. 1967 (sale Hampe's herbarium to institute in 1880 or 1881; contains G.W. Bischoff and W. Lechler herbaria, sheets marked B, resp. L).
Sachs, J., Gesch. Bot. 113, 368, 369, 379, 602. 1875; Hist. bot. 168, 353, 573. 1892.
Schmitz, R., Ber. deut. bot. Ges. 91: 434-437, 440. 1978 (biogr.).
Siebert, F., Zum Gedächtniss an Dr. Albert Wigand, Marburg 1889, iv, 16 p.
Tschirch, A., Ber. deut. bot. Ges. 5: xli-il. 1887 (obit.); Arch. Pharm. 25(1): 1-13. 1887 (obit., portr.).
Verdoorn, F., ed., Chron. bot. 2: 20. 1936, 5: 556. 1939.
Wigand, F., Bot. Zeit. 45: 112. 1887 (offers Hampe herb. for sale; stems from his father's herb.).

NOTE: (1) For Johannes Wigand (1523-1587), "Preussens erster Botaniker" see Kurt Wein, Sudhoffs Arch. Gesch. Med. Naturw. 35(3-4): 160-205. 1942.
(2) Albert Wigand's father, Johann Heinrich Friedrich Wigand (1788-1855) was a pharmacist at Marburg and started the Wigand herbarium (now at MB); see W.H. Hein & H.D. Schwarz, Deut. Apoth. Biogr. 2: 746-747. 1978.

**17.552.** *Kritik und Geschichte der Lehre von der Metamorphose der Pflanze.* Inaugural-dissertation zur Erwerbung der Doctorwürde und der Venia docendi eingereicht bei der philosophischen Facultät zu Marburg ... Marburg 1846. Oct. (*Krit. Gesch. Metamorph. Pfl.*).
*Thesis issue*: 1846 (p. iv: Jun 1846), p. [i]-iv, [v], [1]-131. *Copy*: NY. – The submission of a single thesis for both the doctor's degree and the Venia legendi ["Habilitation"], obtaining the right to teach at the University (at a zero salary) was unusual. The doctor's degree was awarded at once [W. was a student of the then already famous M. Schleiden], but the "Habilitation" took some time.
*Commercial issue*: Nov 1846 (p. iv: Jun 1846; Hinrich 26-28 Nov 1846), p. [i]-iv, [v], [1]-131, [132, err.]. *Copies*: G, HH.
*Ref.*: S., Flora 30: 261-263. 1847 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 5: 260-263. 9 Apr 1847 (rev.).

**17.553.** *Intercellularsubstanz und Cuticula.* Eine Untersuchung über das Wachstum und die Metamorphose der vegetabilischen Zellenmembran ... Braunschweig (Druck, Verlag und Papier von Friedr. Vieweg und Sohn) 1850. Oct. (*Intercellularsubst. u. Cuticula*).
*Publ.*: 1850 (Flora rev. 21 Aug 1850), p. [i]-vi, [1]-130, *pl. 1-2* (p.p. col. liths. auth.). *Copy*: G.

**17.554.** *Grundlegung der Pflanzen-Teratologie*, oder Gesichtspuncte für die wissenschaftliche Betrachtung der Bildungsabweichungen im Pflanzenreiche. Nebst einem Excurs über die morphologische Bedeutung des Pistills der Leguminosen, Liliaceen, Primulaceen und über den Begriff des Blattes ... Warburg (Elwert'sche Universitäts-Buchhandlung) 1850. Duod. (*Grundl. Pfl.-Terat.*).
*Publ.*: 1850 (adv. on p. [152] dated Nov 1849; Arch. Pharm. Aug 1850), p. [i]-iv, [1]-151, [152, adv.]. *Copies*: G, NY.

**17.555.** *Der Baum.* Betrachtungen über Gestalt und Lebensgeschichte der Holzgewächse ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1854. Oct. (*Baum*).
*Publ.*: 1854 (p. ix: Jul 1854; ÖbW 11 Jan 1855; Flora 14 Oct-14 Nov. 1854), p. [i]-xiv, [1]-254, [255, expl. pl.], [256, err.], *pl. 1-2* (uncol. liths.). *Copies*: G, HH, NY, PH.

**17.556.** *Botanische Untersuchungen* ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1854. Oct. (*Bot. Unters.*).
*Publ.*: 1854 (BSbF for Oct 1854; ÖbW 4 Jan 1855; Bot. Zeit. 29 Dec 1854; Flora 14 Oct-14 Nov 1854), p. []i]-vi, [1]-168, *pl. 1-6* (uncol. liths.). *Copies*: G, H, HH, NY.

**17.557.** *Zur Morphologie und Systematik der Gattungen Trichia und Arcyria* ... Jahrbücher f. wissenschaftl. Botanik ... [1862]. Oct.
*Publ.*: Nov 1862 (in journal), p. [1]-58, *pl. 1-3* (uncol. liths. auth.). *Copy*: G. – Reprinted and to be cited from Jahrb. wiss. Bot. 3(1): [1]-58, *pl. 1-3*. 1863.
*Preliminary publ.*: 1858, in Ber. Deut. Naturf. Versamml. 1858: 119-120, and Ann. Sci. nat., Bot. ser. 4. 16: 223-262. 1862.

**17.558.** *Flora von Kurhessen.* Erster Theil. Diagnostik der in Kurhessen und den angrenzenden Gebieten vorkommenden Gefässpflanzen, einschliesslich der Nutz- und Zier-Gewächse ... Marburg (N.G. Elwert'sche Universitäts-Buchhandlung) 1859. Oct. (*Fl. Kurhessen*).
*Ed. [1]*: 1859 (p. xii: Jun 1858), p. [i]-xlviii, [1]-387, [388, colo.]. *Copies*: HH, NY.
*Ed. 2*: Apr 1875 (p. xvi: Mar 1875; Flora "soeben" 1 Mai 1875; Bot. Zeit. 7 Mai 1875), p. [i]-lvi, [1]-420. *Copies*: HH, NY. – *Flora von Kurhessen und Nassau.* Diagnostischer Theil ... Zweite Auflage. Cassel (Verlag von Theodor Kay ...) 1875. Oct.

*Ed. 3*: Apr 1879 (p. xvi: Mar 1879; Nat. Nov. Mai(1) 1879), p. [i]-lviii, [lix, err.], [1]-428. *Copies*: G, HH. – *Flora ... Nassau.* Anleitung zum Bestimmen der einheimischen Gefässpflanzen und der wichtigsten Culturgewächse nach natürlichen Methode ... Cassel (id.) 1879. Oct.
*Note*: For part 2 (1891), giving the plant distribution, see below, no. 17.663.

**17.559.** *Ueber die Auflösung der Arten* durch natürliche Zuchtwahl. Oder die Zukunft des organischen Reiches mit Rücksicht auf die Culturgeschichte. Von einem Ungenannten [i.e. A. Wigand]. Hannover (Carl Rümpler) 1872. Oct. (*Auflös. Art.*).
*Publ.*: 1872, p. [i*], [i]-iv, [v], [1]-72. *Copy*: B.

**17.560.** *Der Darwinismus* und die Naturforschung Newtons und Cuviers. Beiträge zur Methodik der Naturforschung und zur Speciesfrage ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1874-1876, 3 vols. Oct. (*Darwinismus*).
*1*: 1874 (p. vi: Sep 1873), [i*-ii*], p. [i]-xvii, [xviii], [1]-462.
*2*: 1876 (p. vi: Jan 1876), p. [i*-ii*], [i]-xv, [1]-515, [516, err.].
*3*: 1877 (p. vii: Sep 1876), p. [i]-vii, [ix], [1]-320, [321, err.].
*Copies*: B, LC, LD, MCZ, NSUB.

**17.561.** *Botanische Hefte.* Forschungen aus dem botanischen Garten zu Marburg ... Marburg (N.G. Elwert'sche Verlagsbuchhandlung) 1885-1887, 2 Hefte. Oct. (*Bot. Heft.*).
*1*: 1885, p. [i]-iv, [1], 2, 2a, 2b, [3]-227, [228], *pl. 1-5.* – *Authors*: Albert Meyer, Wilhelm Jännicke, Eberhard Dennert, Wilhelm Hoffmann, F.G. Kohl, A. Wigand.
*2*: 1887 (p. iv: Apr 1887), p. [i]-iv, [1]-244, *pl. 1-4.* – *Authors*: Otto Lohrer, A. Wigand, E. Dennert.
*Note*: Heft 3, 1888 was published by Eberhard Dennert, p. [ii]-x, [1]-294, [295, err.]. Marburg 1888. *Copy*: PH.

**17.562.** *Nelumbium speciosum* W. Eine monographische Studie ... Cassel (Verlag von Theodor Fischer) 1888. Qu. (*Nelumb. specios.*).
*Authorship*: completed and edited by Eberhard Dennert.
*Publ.*: Jun 1888 (p. 2: Jan 1887; ÖbZ 1 Dec 1888; Bot. Gaz. Oct 1888; Nat. Nov. Jul(1) 1888), p. [ii-iii], [1]-68, *pl. 1-6* (uncol. liths. O. Buchtien). *Copies*: BR, HH, PH; IDC K 9239 (serial). Issued as Bibl. bot. Heft 11, 1888.

**17.563.** *Flora von Hessen und Nassau.* II. Theil. Fundorts-Verzeichnis der in Hessen und Nassau beobachteten Samenpflanzen und Pteridophyten von Albert Wigand ... herausgegeben von Dr. Fr. Meigen ... Marburg (N.G. Elwert'sche Verlagsbuchhandlung) 1891. Oct. (*Fl. Hessen Nassau*).
*Editor*: Friedrich [Carl], ["Fritz"] Meigen (b. 1864)? Also editor of introduction, p. iii-viii.
*Publ.*: Oct 1891 (p. viii: Feb 1891; ÖbZ for Nov 1891; Bot. Zeit. 27 Nov 1891; Bot. Centralbl. 19 Nov 1891; Nat. Nov. Nov(1) 1891), p. [i*], [i]-viii, [1]-565, [566, colo.], map. *Copy*: BR. – Issued as Schr. Ges. Beförd. ges. Naturw. Marburg 12(4). 1891.
*Note*: For part 1 of this flora see above *Fl. Kurhessen*, 1859, TL-2/17.558.

**Wiggers,** [Wichers], **Fridrich Hindrich** (1746-1811), [Schleswig-] Holstein physician and botanist; born at Krempe, Holstein (then part of Denmark); studied at the University of Kiel 1774-1780; Dr. med. 1780, 1784; practicing physician at Apenrade (Schleswig) from 1784. (*Wigg.*).

HERBARIUM and TYPES: Unknown; it is probable that Wigger's *Primitiae* was largely, if not solely, based on observations and collections made by G.H. Weber (see under that author).

BIBLIOGRAPHY and BIOGRAPHY: AG 6(2): 926; Barnhart 3: 493; BM 5: 2277 (sub G.H. Weber), 2318; Christiansen p. 321 [index]; Frank 3 (Anh.): 113; GR p. 54, cat. p. 73; Hortus 3: 1207; Jackson p. 305; NAF 28B(2): 365; PR 10038, ed. 1: 11013; Rehder 1:

374; RS p. 148; SBC p. 135; Stevenson p. 1262; TL-1/1410; TL-2/6856; Zander ed. 10, p. 732, ed. 11, p. 836.

BIOFILE: Fischer-Benzon, R. von, *in* P. Prahl, Krit. Fl. Schleswig-Holstein 2(2): 62. 1890.
Grumman, V.J., Taxon 11: 167. 1962 (orthography name; "Wiggers" to be accepted for botanical nomenclatural purposes).
Hornemann, J., Nat. Tidskr. 1: 575. 1837 (on *Wiggersia*).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 792. 1984.
Proskauer, J., Taxon 7: 123-130. 1958 (the story behind *Conocephalum* Wiggers 1780, nom. cons., ample historical and nomenclatural detail).

EPONYMY: *Wiggersia* Alefeld (1861).

NOTE: Wiggers was baptized Friderich Hinrich Wichers, but his name was spelled Friderich Hindrich Wiggers in the church registers of his marriage and the baptism of his children. The orthography Wiggers appears also on the title page of his dissertation (see below). For botanical nomenclatural purposes "Wiggers" should be used rather than the historically correct Wichers. The orthography Friedrich Heinrich Wiggers was traced back by Grummann to the church register in Husum in which W.'s death was recorded. The title page of the *Primitiae* has Fridericus Henricus Wiggers; the dedication has Fridericus Henricus Wichers, sic. For original research on this matter see V.J. Grummann (1962).

**17.564.** *Primitiae florae holsaticae.* Quas praeside D. Ioh. Christiano Kerstens ... pro summis in medicina honoribus publice defendet auctor Fridericus Henricus Wiggers husumensis. D. xxix Martii a.r.s. mdcclxxx. Kiliae [Kiel] (litteris Mich. Frider. Bartschii Acad. Typogr.). [1780]. Oct. (in 4-s). (*Prim. fl. holsat.*).
*Publ.*: 29 Mar 1780, p. [i-vi], [1]-112, [1-2, theses]. *Copies*: B, G, MO, NY; IDC 5809. – Thesis pages sometimes bound with preface material.
*Facsimile reprint*: 1925, Facsimile-Edition. Ed. W. Junk. No. 23. G.H. Weber [sic] *Primitiae florae holsaticae* Kiliae 1780-1787. W. Junk (Berlin W., ...) 1925. *Copies*: B-S, BR, HBG, HH, NY, PH, U, US, USDA. – Contains also G.H. Weber, *Suppl. holsat.* [1787], see under Weber.
*Notes* (1): See Composite works paragraph under G.H. Weber.
(2) We reproduce here Proskauer's analysis (1958) of the reasons to attribute the *Primitiae* indeed to F.H. Wiggers and not to G.H. Weber, the "auctor": "Published in 1780 as a doctoral thesis in the University of Kiel, with J.C. Kerstens listed as the presiding professor on the title page. In the preface Wiggers acknowledged considerable, but by no means total, indebtedness to the writings and lectures of the "Praeceptor" G.H. Weber, especially as concerns the treatment of the cryptogams. "Nouam quam libellus tradit cryptogamicarum plantarum dispositionem, sed nondum ab omni parte absolutam, praelectionibus celeberrimi WEBERI, hausi".
In 1787 Weber published a supplement to the work, which begins: "Ex quo in *Primitiis florae Holsaticae* vegetabilium vtriusque Ducatus indigenarum brevem adumbrationem exposueram, ...", which sentence (fide Christiansen & Christiansen, 1932, p. 7-8; also D. Willi Christiansen in litt.) has led to acceptance of Weber as the author of the original work. Names first published in it have been invested with a remarkable variety of author citations (cf., e.g., in this Journal: Grummann, 1958, p. 55).
Having made a considerable search of the relevant contemporary and later literature, I am led to the following considerations and conclusions. It is well known that many of the earlier theses were more the work of the professor than the candidate, and indeed it was custom to cite them under the name of the professor. The bone of contention in the case under consideration was surely this: on the title of Wiggers' dissertation the name of Professor Kerstens appeared, not that of Weber. (In the library catalogue of the Linnean Society [Savage, 1925], conservative in such matters, we still find the main entry of the work sub "Kerstens ..., *Praeses*"!). I interprete the introductory sentence of Weber pater (1787) and the citation by Weber fil. and Mohr (1807, p. XXX: "Wiggers, Fr. Henr. (Ge. H. Weber)") as protests to make clear who should have been the "praeses", and find no conflict with Wiggers' statements in his preface, which I accept at face value. I conclude that, unless otherwise stated in the work, a newly proposed

name is to be credited to Wiggers alone. This would be so even if such a name indeed initially derived from Weber, as there is no denial that Weber pater consented to such use by Wiggers of certain of his unpublished material. A colleague or professor who freely suggests a name or diagnosis, or writes it on a herbarium label, receives no credit in nomenclature in this world, other than by courtesy of the publishing author. Who would wish to assess the relative degree of authorship of professor and candidate in many dissertations of our present time?" [J. Proskauer, Taxon 7: 124. 1958].
(3) See also V.J. Grummann, Taxon 11: 167. 1962, E. Sérusiaux. Taxon 32: 647. 1983 and J.R. Laundon, Taxon 33: 111. 1984. – For Junk's reasons to attribute the book to G.H. Weber, see W. Junk, Rara 2: 127. 1926-1936.
(4) For the *Suppl. fl. holsat.* 1787 see our entry under G.H. Weber. Contrary to the main work this supplement should be attributed to G.H. Weber.
(5) The presiding professor was Johann Christian Kerstens (1713-1802); he was in no way responsible for the text.
(6) For a *second* supplement see E.F. Nolte, *Novit. fl. holsat.* 1826, TL-2/6856.
(7) For a critical assessment of the vascular plants and mosses reported in this flora and its supplements see Prahl (1888-1890, 1895; TL-2/8256).

**Wiggers, [Heinrich] August [Ludwig]** (1803-1880), German (Hannoverian) pharmacist; studied pharmacy, chemistry and botany at Göttingen 1827-1835; Dr. phil. 1835; private lecturer for pharmacognosy Göttingen 1837, assistant to F. Wöhler ib. 1836-1848; e.o. professor of pharmacy 1848; general inspector of the pharmacies of the Kingdom Hannover 1850; Medicinalrath 1864. (*A. Wigg.*).

HERBARIUM and TYPES: Wiggers left a collection of 5000 pharmaceutical samples to Göttingen University.

BIBLIOGRAPHY and BIOGRAPHY: ADB 42: 465; Barnhart 3: 493; BM 5: 2319; CSP 6: 363-364, 12: 783; Frank 3 (Anh.): 113; Herder p. 133, 413; LS 28837-28838; PR 10242, ed. 1: 11216.

BIOFILE: Anon., Bot. Zeit. 38: 375. 1880 (d.).
Awe, W., Pharm. Zeit. 101(13): 332-333. 1956 (W. as pharmacognost).
Hirsch, A., ed., Biogr. Lex. hervorrag. Ärzte ed. 3. 5: 931. 1962.
Husemann, Th., Arch. Pharmazie 216 (ser. 3. 16): 401-415. 1880 (obit.).
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1323. 1863, 3: 1444. 1898(b. 12 Jun 1803, d. 13 Feb 1880), 7a: 771-772. 1971.
Schwarz, H.D., *in* Hein, W.H. & H.D. Schwarz, Deut. Apoth. Biogr. 2: 747-748. 1978 (biogr. details; b. 12 Jun 1803, d. 23 Feb 1880).

**17.565.** *Inquisitio in Secale cornutum* respectu imprimis habito ad ejus ortum, naturam et partes constituentes, nominatim eas, quibus vires medicinales adscribendae sunt. Auctore Henrico Augusto Ludovoci Wiggers Altenhago-Hannoverano ... Commentatio praemio regio ornata. Gottingae [Göttingen] (typis Rosenbuschianis) 1831. Qu. (*Inquis. Secale corn.*).
*Publ.*: 1831, p. [i-viii], [1]-78. *Copies*: FH, Stevenson.

**Wiggins, Ira Loren** (1899-x), American botanist; A.B. phil. 1922 Occidental College, Calif.; M.A. bot. Stanford 1925; teacher at Durham Union High School 1923-1924; instructor in botany Occidental Coll. 1925-1927, asst. professor 1927-1929; assistant professor of botany at Stanford 1929-1936, assoc. prof. 1936-1940, professor of biology 1940-1964; emeritus professor 1965; explorer of the Sonoran desert 1929-1955; travelled e.g. in Ecuador 1944-1945, Alaska 1949, Mexico 1955. (*Wiggins*).

HERBARIUM and TYPES: DS. – Other material in A, AMES, B (extant), BM, C, DPU, GH, K, LAM, MEXU, MICH, MO, MSC, NARL, ND, NY, PH, POM, RSA, U, UC, US (major sets), WTU. – *Field notes* at CAS, DS; for Ecuador 1944-1945 in NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 493; Bossert p. 435; GR p. 254; Hortus 3: 1207; IH 1 (ed. 1): 89, (ed. 2): 112, (ed. 3): 144, (ed. 4): 161, (ed. 5): 173, (ed. 6): 258,

366, (ed. 7): 225, 346; Langman p. 803-804 (bibl.); Roon p. 123; SIA see index; TL-2/see F. Shreve.

BIOFILE: Acosta-Solis, M., Inst. Ecuat. Ci. nat. Contr. 65: 75. 1968 (coll. Ecuador).
Anon., Amer. men sci. eds. 5-11, 1933-1967; Brit. Mus. gen. cat. print. books 257: 408. 1965; Index Amer. bot. lit. 1886-1966. 4: 529-530. 1966 (bibl.).; Who's who Amer. 23-33, 1944-1965.
Ewan, J. et al., Leafl. W. Bot. 7(3): 76. 1953.
Frodin, D.G., Guide standard floras world nos. 017, 072, 205, 211.
Knobloch, I.W., Pl. coll. N. Mexico 72. 1979.
Lindsay, G., Pacific Discovery 32(6): 2-9. 1979 (biogr., portr., b. 1 Jan 1899).
Lowden, R.M. et al., Taxon, Index pers. names vols. 1-30. 792. 1984.
Thomas, J.H., Contr. Dudley Herb. 5(6): 162. 1961.
Verdoorn, F., ed., Chron bot. 1: 315, 316. 1935, 2: 303. 1936, 4: 83, 453. 1938, 5: 307, 369, 370. 1939, 6: 165, 171, 421, 461. 1941.
West, J., Botany of San Diego County ed. 3. 126-127. s.d.

EPONYMY: *Wigginsia* D.M. Porter (1964).

NOTE: Outside our period:
(1) With John Hunter Thomas, *A flora of the Alaskan arctic slope*, Toronto 1962, x, 425 p.
(2) With Forrest Shreve, *Vegetation and flora of the Sonoran Desert*, Stanford, Calif. 1964, 2 vols., ISBN 0-8047-0163-6, x, 840 p., *37 pl.* (p. 189-840 const. vol. 2).
(3) With Duncan M. Porter, *Flora of the Galápagos Islands*, Stanford 1971, xx, 998 p.

**17.566.** *The Pteridophytes of San Diego County*, California ... Reprinted from American Fern Journal ... 1932. Oct.
*Publ.*: Apr-Jun, Jul-Sep 1932 (in journal), p. [1]-16. *Copy*: US. – Reprinted and to be cited from Amer. Fern. J. 22(2): 33-42. 5 Jul, 87-93. Sep 1932.

**17.567.** *A report on several species of Lycium* from the southwestern deserts ... Stanford University (Stanford University Press) 1934. Oct.
*Publ.*: 15 Nov 1934, p. [i-ii], 197-206, [207], *pl. 18-19. Copies*: B, MO, NY, U. – Issued as and to be cited from Contr. Dudley Herb. 1(6): 197-206, [207], *pl. 18-19.* 1934.

**17.568.** *A resurrection and revision of the genus Iliamna* Greene ... Stanford University (Stanford University Press) 1936. Oct.
*Publ.*: 16 Jun 1936, p. [i-ii], 213-229, *pl. 20. Copies*: B, NY, U, US. – Issued as and to be cited from Contr. Dudley herb. 1(7): 213-229, *pl. 20.* 1936.

**17.569.** *Distributional notes on and a key to the species of Cheilanthes* in the Sonoran Desert and certain adjacent regions ... Reprinted from American Fern Journal ... 1939. Oct.
*Publ.*: Mai 1939 (US rd. 31 Mai 1939), p. [59]-69. *Copies*: NY, US. – Reprinted and to be cited from Amer. Fern. J. 29(2): [59]-69. 1939.

**17.570.** *Taxonomic notes on the genus Dalea* Juss. and related genera as represented in the Sonoran Desert .... Contributions from the Dudley Herbarium ... 1940. Oct.
*Publ.*: 10 Jul 1940, p. [41]-64, *pl. 6-13. Copy*: B. – Issued as and to be cited from Contr. Dudley Herb. 3(2): [41]-64, *pl. 6-13.* 1940.

**17.571.** *New and poorly known species of plants from the Sonoran Desert* ... Contributions from the Dudley Herbarium ... 1940. Oct.
*Publ.*: 8 Aug 1940, p. [65]-88, *pl. 14-21. Copy*: B. – Issued as and to be cited from Contr. Dudley Herb. 3(3): [65]-88, *pl. 14-21.* 1940.

**Wight, Robert** (1796-1872), British surgeon and botanist; MD Edinburgh 1818; assistant-surgeon East India Company in Madras 1819; superintendent Botanic Garden Madras 1826-1828; garrison surgeon Negapatam 1828-1831; in Scotland 1831-1834; military surgeon in India 1834-1836; with the Revenue Dept. 1836-1842; director of the

Coimbatore Cotton Expt. Station 1842-1850; from 1853 in England (Grazeley Lodge near Reading). (*Wight*).

HERBARIUM and TYPES: K. – Further material at A, ADB, B (mainly destr.), BHU, BM, BR, C, CAL, CGE, DD, E, FH, FI, G, GH, GL(E), GOET, GZU, HAL, L, LE, M, MH, MO, NSW, NY, OXF, P, PH, S, TCD, W, Z. – *Letters* at G, GH, HAL (to Schlechtendal), K. – *Drawings* and mss. at BM, E-GL.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(1): 274; Backer p. 625; Barnhart 3: 493; BB p. 326-327; BM 5: 2319; Bossert p. 435; Clokie p. 265; CSP 6: 364; Desmond p. 659 (b. 6 Jul 1796, d. 26 Mai 1872); DNB 61: 194-195 (G.S. Boulger) (also 21: 194-195); Frank 3 (Anh.): 113; GF p. 81; Herder p. 214; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Jackson p. 383, 384, 388; Lasègue 586 [index]; Lenley p. 142-144; MW p. 528; NI 2139-2142, 3: 68; Plesch p. 459; PR 10243-10248, ed. 1: 11217-11223; Rehder 5: 920; RS p. 149; SK 4: cxvi, ccxviii; Sotheby 811; TL-1/1412-1417; TL-2/3004; Tucker 1: 14, 745, 3: 334; Urban-Berl. p. 292, 410; Zander ed. 10, p. 732, ed. 11, p. 836.

BIOFILE: Anon., Bonplandia 1: 35, 104, 134. 1853 (to Europe), 3: 35. 1855 (cogn. Leopoldina Roxburgh); Bot. Zeit. 11: 644-646. 1853 (biogr. sketch; Indian activities); Brit. Mus. gen. cat. print. books 257: 424. 1965; Flora 55: 473-476. 1872 (obit., transl. from Gard. Chron. 1 Jun 1872); J. Bot. 10: 223. 1872 (obit. not.); Proc. Linn. Soc. 1872-1873: xliv-xlvii. 1873 (obit.).
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White, R., *in* W.J. Hooker, J. Bot. 3: 156-168. 1840, 3: 169-201. Jan 1841 (letters, portr.).
Wittrock, V.B., Acta Horti Berg. 3(3): 172. 1905.

NOTE: The name of Robert Wight was repeatedly misprinted "Richard White" between 1829 and 1832 (Wallich, Numer. List. 60. 1829; on *Illustration of Indian Botany* 1830-1832 in W.J. Hooker's Misc. bot., see Basak 1981, p. 789.

EPONYMY: *Wightia* Wallich (1830) very likely honors this author but the dedication reads: "in honorem ... Richardi Wight, ..." (See note above).

**17.572.** *Illustrations of Indian botany*; principally of the southern parts of the peninsula .... Glasgow (Curtt & Bell, ...) 1831 [-1832]. Qu. (in 2-s). (*Ill. Ind. bot.*).
*Publ.*: 1831 (t.p., but possibly early 1832, see below), p. [1]-70, *suppl. pl. 1-19, 21-41* (col. copp.). *Copies*: B-S, G (58 p., *32 pl.*), HH, K (as copy at G). A reprint of four papers published in W.J. Hooker, Bot. Misc. 2: 90-110, *suppl. pl. 1-10*. Nov-Dec 1830, 344-

360, *suppl. pl. 11-19.* before 10 Sep 1831, 3: 84-104, *suppl. pl. 21-32* before 3 Mar 1832 (publ. late 1831 hence possible) and 3: 291-302, *suppl. pl. 33-41.* 1 Aug 1833 (1 Mar 1833, fide Marshall 1936). It seems preferable to cite this work from the *Bot Misc.* and not from the reprint because there is no real evidence that the publication in book form came out before the publication in the journal.

*Note*: The author's name is given as Richard Wight on the title page of the reprint, and in the first *three* fascicles of the publication in the Bot. Misc. However, fascicle four in Bot. Misc. (1 Aug 1832) has the correct "Robert Wight". The use of Richard was a simple error by W.J. Hooker.

*Continuation*: *in* W.J. Hooker, J. Bot. 1: 62-67. Apr 1834, 225-231. Jul 1834. Not reprinted.

*Ref.*: Marshall, H.S., Bull. misc. Inf. Kew 1936: 95.

**17.573.** *Characters of some new or little known genera* of plants ... From the Edinburgh New Philosophical Journal, no. xxviii. [1833]. Oct.

*Co-author*: George Arnott Walker Arnott (1799-1868), TL-2/1: 67-69.

*Publ.*: Jan-Apr 1833, p. [1]-4. *Copy*: G. – Reprinted and to be cited from Edinb. new philos. J. 14: 297-300. 1833.

**17.574.** *Characters of new or little known genera* of plants ... From Edinb. New Phil. Journal for July 1832. [1833]. Oct.

*Co-author*: George Arnott Walker Arnott (1799-1868), TL-2/1: 67-69.

*Publ.*: Jul and Oct 1833 (p. 181 journal 10 Jun 1833, issue for Jul 1833, second part in issue Oct 1833), p. [1]-9. *Copy*: G. – Reprinted and to be cited from Edinb. new philos. J. 15: 176-181. Apr, 378-381. Oct 1833. *Characters of three genera of Indian plants*, ib. 16: 314-316. Apr 1834.

**17.575.** [*Catalogue of Indian plants*] ... [London 1833-1837], lith. mss.

*Publ.*: 1833-1837, a lithographed mss. (p. [1]-144) with an introductory note on p. [i]: "In the following Catalogue of Plants will be found the names corresponding to the numbers attached to the specimens I have distributed. Descriptions will shortly appear in the "Prodromus Florae Peninsulae Indiae orientalis ..." In that work we refer to the numbers in the Catalogue "Rob.[t] Wight 28[th] May 1833". The handwriting is that of G.A. Walker Arnott. *Copies*: G; IDC 5810. – In four parts:

[*1*]: p. 1-64. 28 Mai 1833.

[*2*]: p. 65-112. 24 Sep 1834.

[*3*]: p. 113-128. Apr 1836.

[*4*]: p. 129-144. 25 Sep 1837.

*Ref.*: Marshall, H.S., Bull. misc. Inf. Kew 1953: 280.

**17.576.** *Prodromus florae peninsula Indiae orientalis*: containing abridged descriptions of the plants found in the peninsula of British India, arranged according to the natural system ... vol. I. London (Parbury, Allen, & Co.) 1839. †. Oct. (*Prodr. fl. Ind. orient.*).

*Co-author*: George Arnott Walker Arnott (1799-1868), TL-2/1: 67-69. Collections at E-GL.

*Publ.*: 10 Oct 1834 (see below), p. [i]-xxxvii, [i*], [1]-480. *Copies*: BR, G, HH, LIV, MICH(2), MO, NY, PH, U, USDA; IDC 5812.

*Note*: Only vol. 1 was published. For illustrations see Wight's *Icones*, which have reference to the species numbers of the Prodromus. Arnott alone did the Leguminosae (Bentham, Comm. Legum. gen. 1837). – Arnott evidently sent parts of the book in advance to Adrien de Jussieu. He sent the first 64 pages to de Jussieu (archives P) with a letter dated 15 Aug 1834. Pages 65-112 followed on 24 Sep 1834. There is no evidence to show that these parts were anything else but loose sheets. The book is listed as received by the Académie on 15 Dec 1834. The date of announcement of publication in Bent's Monthly Literary Advertiser of 10 October can be accepted as that of publication; (P.& W. Sep 1834). The book remained unfinished: volume 2 was never published. On 1 Aug 1834 Arnott wrote to Bentham (letter at K) that he was not going to print volume 2 until de Candolle's fifth volume of the Prodromus dealing with the Compositae was in his hands. This volume appeared in October 1836. – In an undated publisher's leaflet [publ. around Sep 1834] it is stated that the second

volume "will contain, besides the portions written by the authors themselves, contributions by various eminent botanists; among which may be mentioned, the Compositae by Professor De Candolle of Geneva, the Labiatae and Scrofularinae by George Bentham, Esq. ..."

*Ref.*: Beilschmied, C.T., Flora 18(1), Lit. Ber. 2: 17-32. 28 Feb, 3: 33-48. 21 Mar, 4: 49-57. 14 Mai 1835 (rev.).

**17.577.** *Contributions to the botany of India* ... London (Parbury, Allen, & Co.) 1834. Oct. (*Contr. bot. India*).

*Publ.*: Dec 1834 (P & W), p. [1]-136. *Copies*: BR, G, HH, MICH, NY, PH, U, USDA; IDC 5811.

*Note* (*1*): G.A. Walker Arnott contributed to this work as an editor (p. 129) and sometimes as co-author of taxa (duly indicated). The treatment of the Compositae was done by A.P. de Candolle (p. 5-27) and several names (e.g. on p. 20-27) traditionally credited to his *Prodromus* actually first appear here. A few names taken from Wallich's *Catalogue* are validated in this work. The book deals only with *Compositae*, *Asclepiadaceae* and *Cyperaceae* [D.H. Nicolson].

*Note* (*2*): *Contributions to Indian botany*, Madras J. Lit. Sci. *5*(*14*): 1-14. Jan 1837 (LINN rd. 17 Aug 1837), *5*(*15*): 309-313. Apr 1837 (LINN rd. 2 Oct 1837).

*Note* (*3*): *Notes on Indian botany*, Calcutta J. Nat. Hist. 6: 357-363, 494-515. 1846, 7: 11-21, 143-165, 288-290. 1847, 8: 163-179. 1848. – Unidentified reprints exist with independent pagination [1]-32, and [1]-23. We could not compare the reprints with the journal publ.

**17.578.** *Icones plantarum Indiae orientalis*, or figures of Indian plants ... Madras (published by J.B. Pharoah for the author [3: "printed for the author, ...; 4-6: "sold by Messr. Franck and Co. ...]) [1838-] 1840-1853. 6 vols. Qu. (in 2-s). (*Icon. pl. Ind. orient.*).

*1*: Jul 1838-Mai 1840 (see below), p. [i-iv], [4 p. prospectus], [i]-iii, [v], [vii], *pl. 1-35*, *35bis*, *36-122*, *122bis*, *123-318* (uncol. liths.).

*2*: 1840-1843, p. [i], [1]-9, *pl. 319-416*, [1]-8, *pl. 417-514*, [1]-10, *pl. 515-631*, [1]-7, *pl. 632-736*, [i]-vi, [i]-iii.

*3*: Mai [?] 1844-Sep 1846, p. [i*], [i]-iv, [i]-vi, [1]-7, *pl. 737-815*, [1]-12, *pl. 816-930*, [1]-17, *pl. 931-960*, *960-2*, *961-964*, *964-2*, *964-3*, *965-970*, *970bis*, *971-995*, *995-2*, *995-3*, *996-1010*, *1011/1012*, *1013/1014*, *1015-1044*, *1045/1046*, *1047-1162*.

*4*: Jan 1848-Mai 1850, p. [i*], [i]-iv, [i]-iv, [v, err.], [1]-17, *pl. 1163-1172*, *1173/1174*, *1175-1282*, 1-19, *pl. 1282-1306*, [*1306bis*], *1307-1313*, *1314/1315*, *1316-1332*, *1334-1336*, *1337/1338*, *1339-1342*, *1343/1344*, *1345-1403*, 1-20, *pl. 1404/1405*, *1406-1420*, *1420bis*, *1421-1479*, *1479-2*, *1479-3*, *1480-1501*, 1-18, *pl. 1502-1621*.

*5*: Mai 1851-Jan 1852, p. [i*], [i]-vi, [1]-23, *pl. 1622-1658*, *1659-1660*, *1661-1663*, *1664/1665*, *1666*, *1667/1668*, *1669-1673*, *1674/1675*, *1676-1686*, *1687/1688*, *1689-1702*, *1703/1704*, *1705-1724*, *1724bis*, *1725-1744*, *1745-1746*, *1747-1750*, *1751-1752*, *1753-1760*, *1761-1762*, [part 2:] 1-35, *pl. 1763-1776*, *1776bis*, *1777-1920*.

*6*: Mar 1833, p. [i]-x, [xi-xii], 1-44, *pl. 1921-1986*, *1987/1988*, *1989-2007*, *2008/2009*, *2010-2016*, *2017/2018*, *2019/2020*, *2021/2022*, *2023-2030*, *2031/2032*, *2033/2034*, *2035-2101*.

*Copies*: BR, G, MO, NY, PH, U, USDA; IDC 1051.

*Dates*: The dates given by Wight himself on p. viii of volume 6 are as follows (with additional information given by Merrill):

| vol. | part | *plates* | dates | vol. | part | *plates* | dates |
|---|---|---|---|---|---|---|---|
| 1 | 1 | *1-20* | Jul? 1838 | 3 | 1 | *737-815* | Mai? 1844 |
| | 2-3 | *21-60* | Sep 1838 | | 2 | *816-930* | 1844-'45 |
| | 4-5 | *61-100* | Nov1838 | | 3 | *931-1046* | Nov 1845 |
| | 6-8 | *101-161* | Jun 1839 | | 4 | *1047-1162* | Sep 1846 |
| | 9 | *162-181* | Aug 1839 | 4 | 1 | *1163-1282* | Jan 1848 |
| | 10 | *182-201* | Sep 1839 | | 2 | *1283-1403* | Aug 1848 |
| | 11-12 | *202-241* | Nov 1839 | | 3 | *1404-1501* | Apr 1849 |
| | 13-14 | *242-279* | Feb 1839 | | 4 | *1502-1621* | Mai 1850 |
| | 15-16 | *280-318* | Mai 1840 | 5 | 1 | *1622-1762* | Mai 1851 |
| 2 | 1 | *319-416* | 1840 | | 2 | *1763-1920* | Jan 1852 |

| vol. | part | *plates* | dates | vol. | part | *plates* | dates |
|---|---|---|---|---|---|---|---|
| | 2 | *417-514* | 1840-'43 (prob.1841) | 6 | | *1921-2101* | Mar 1853 |
| | 3 | *515-631* | 1840-'43 (prob. 1842) | | | | |
| | 4 | *632-736* | 1840 | | | | |

*Note (1)*: In plates [1]-[20] of the book the numbers (between 35 and 723) refer to the numbers of the species in Wight & Arnott's *Prodromus*. In the other plates the running number of the plate (21-2101) is combined with the Wight and Arnott number in a fractional form.

*Note (2)*: Plates bearing the legend "Roxburghianae" represent redrawings of Roxburgh's unpublished plates now at the Calcutta Botanic Garden, and thus represent Roxburghian species as described in his "Flora Indica" ed. 1,1 (1820), 2 (1824) and ed. 2 (1832). Where two numbers appear, one above the other, the "numerator" represents Wight's plate sequence (this number to be cited); the "denominator" is a reference to the species number in Wight & Arnott's "Prodromus" (1834).

*Facsimile ed.*: 1963, 3 vols., Historiae naturalis classica no. 31, J. Cramer Weinheim. *Copy*: FAS. – *Vol. 1* contains text and *pl. 1-534, vol. 2: pl. 535-1368, vol. 3: pl. 1369-2101* and facsimile of Cleghorn's *General Index*, 1921 reprint. – ISBN 3-7682-0153-8.

*Ref.*: Cleghorn, H.F.C., General index of the plants described and figured in Dr Wight's work entitled Icones ... Madras 1856. Qu. – Reprinted London 1921, iii, 68 p. Merrill, E.D., Arnold Arb. 22: 222-224. 1941.

**17.579.** *Illustrations of Indian botany*; or figures illustrative of each of the natural orders of Indian plants, described in the auhtor's Prodromus florae peninsulae Indiae orientalis; with observations, on their botanical relations, economical uses, and medicinal properties; including descriptions of recently discovered or imperfectly known plants .... Madras (published by J.P. Pharoah for the author [2: printed for the author, by P.R. Hunt, ...]) 1840-1850, 2 vols. Qu. (size). (*Ill. Ind. Bot.*).

*1*: [1838-] 1840 (p. v: 30 Dec 1839; in 13 parts see Gard. Chron. 2 Jan 1847; parts 1-8 (p. 1-130, *pl. 1-60*), 1838, 9-11 (p. 131-174, *pl. 61-84*) 1839; info. S.A. Skan in HH copy; information incomplete), p. [i*-vii*], [i]-xi, [1]-218, *col. pl. 1-5, 6* ["*5*"], *7-9, 9*[*bis*], *10-11, 11*[*bis*], *12-27, 28a, 28b, 28c, 29, 29*[*bis*], *30-46, 46, 47* ["*46*"], *48-56, 56bis, 57-95; uncol. pl. 1, 2, 16* [index:] p. xiii-xxi, err. slip.

*2*: [1841]-1850 (in parts; part 1: 1841; later parts 1847-1850; see also notes on date of part 1 on p. 79; information incomplete; collation NI 2141 different), p. [i]-xi, [1]-230, *col. pl. 96-97, 97*, 98-121, 121*[*bis*], *122-128, 128bis, 129-148, 148, 148b, 149-151, 151-b, 152-154, 154-b, 155, 155-b, 156, 156-b, 157-b, 158, 158-b, 159, 159-b, 160-/161, 161-b, 162-164, 164-b, 165, 165-b, 166, 166-b, 167-168, 168-b, 169-173, 173-b, 174-176, 176-b, 177-181*, "*182 or 155-c*".

*Copies*: BR, G, HH, LIV, MICH, MO, Nicolson, NY, PH, U. – The copy at MO has 19 supplementary plates "suppl. 1-19", on which nothing further is known to us.

**17.580.** *Spicilegium neilgherrense* or a selection of Neilgherry plants. Drawn and coloured from nature, with brief descriptions of each; some general remarks on the geography and affinities of natural families of plants, and occasional notices of their economical properties and uses ... Madras (printed for the author, ... [2: sold by Messr. Franck & Co. ...) 1846-1851, 2 vols. Qu. (*Spicil. neilgherr.*).

*1(1)*: 1846 (Hinrichs 21 Mai 1847; Bot. Zeit. 16 Jul 1847 as of 1846; rev. D.F.L. v. Schlechtendal, Bot. Zeit. 5: 582-585. 13 Aug 1847), p. [i]-ix, [1]-42, *pl. 1-29, 30/31, 32-33, 34/35, 36-42, 42-1, 43-50* (col. liths.).

*1(2)*: 1847 (Flora 21 Nov 1847), p. [i*-iii*; t.p. vol. 1], 43-85, *pl. 51-67, 67-2, 67-3, 68-73, 76-82, 83/84, 85-102*. – N.B. plates 74 and 75 were not published.

*2(1)*: 1848-1850, p. [1]-44, *pl. 103-115, 116/117, 118-120, 121/122, 123-151*.

*2(2)*: 1851, p. [i-iii; t.p. dated 1851], p. 45-94, *pl. 152-177, 178/179, 180-181, 182/183, 184-202*.

*Copies*: G (1(1-2), 2(1)), HH (compl.), MO (compl.), NY (compl.). – Probable no. of copies printed: 100.

**Wight, William Franklin** (1874-1954), American botanist; B.S. Mich. Agric. Coll. 1894; A.M. Stanford 1900; assistant for systematic botany Stanford 1899-1900; with USDA from 1900 working on agricultural exploration, fruit breeding, systematic pomology and the flora of Alaska. (*W. Wight*).

HERBARIUM and TYPES: US (496, orig.). – Other material CM, NA. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 493 (b. 8 Jun 1874); BL 1: 131, 324; BM 5: 2319, 8: 1431; Bossert p. 435; Hortus 3: 1207; MW p. 528; TL-2/15.005; Tucker 1:745, 3: 334; Zander ed. 10, p. 732, ed. 11, p. 836.

BIOFILE: Adams, J., Trans. R. Canad. Inst. 17(1): 144. 1929.
Anon., San Diego Union 3 Feb 1954 (d.); Amer. men sci. eds. 1-6, 1906-1949; Index Amer. bot. lit. 1886-1966. 4: 531. 1969 (bibl.).
Rickett, H.W., Index Bull. Torrey bot. Club 104. 1955.

**17.581.** *The genus Eritrichum in North America* .... Reprinted from the Bulletin of the Torrey botanical Club ... 1902. Oct.
*Publ.*: 20 Jun 1902, cover-t.p., p. 407-414. *Copy*: NY. – Reprinted and to be cited from Bull. Torrey bot. Club 29: 407-414. 1902.

**17.582.** *The history of the Cowpea* and its introduction into America .... Washington (Government Printing Office) 1907. Oct. (*Hist. Cowpea*).
*Publ.*: 10 Jun 1907, p. [1]-21, *pl. 1-3. Copies*: B, U.S.D.A. Bur. Pl. Industry Bull. 102(6). 1907.

**17.583.** *Native American species of Prunus* ... Washington (Government Printing Office) 1915. Oct. (*Amer. Prunus*).
*Publ.*: 2 Apr 1915, cover, p. [1]-75, [76], *pl. 1-13. Copies*: HH, U, US, USDA. – Issued as U.S.D.A. Bull. 179, 1915.

**Wiinstedt, Knud** [**Jørgen Frederik**] (1878-1964), Danish botanist and artist; art and music teacher from 1901-1908; concert and opera singer 1908-1931; assistant at Copenhagen Botanical Museum 1918-1927, curator 1927-1959; specialist on Hieracium, Taraxacum, Euphrasia, Carex and Festuca ovina. (*Wiinst.*).

HERBARIUM and TYPES: C (17.000).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 493; BL 2: 732 [index]; Christiansen p. 321; IH 1 (ed. 1): 28, (ed. 2): 44, (ed. 3): 52, (ed. 4): 56; LS suppl. 29977; Roon p. 123.

BIOFILE: Anon., Bot. Tidsskr. 54(3): 189. 1958 (portr., tribute 80th birthday).
Christensen, C., Dansk. bot. litt. 1880-1911. 220-221. 1913, 1912-1939. 91-96. 1940 (bibl. 119 nos.).
Hansen, A., Dansk bot. Ark. 21: 55. 1963 (biogr. sketch, portr.).
Jessen, K., Bot. Tidskr. 60: 253-254. 1964 (obit., portr., b. 3 Sep 1878, d. 8 Jun 1964).
Verdoorn, F., ed., Chron. bot. 2: 112. 1936.

COMPOSITE WORKS: Author of eds. 6 and 7 of C. Raunkiær, *Dansk Ekskursions-Flora* 1942 and 1950; collaborator for id. ed. 4. 1922, ed. 5. 1934, TL-2/8654.

**17.584.** *New Danish species of Hieracium* of the Archieracium-Group .... Dansk botanisk Arkiv .... 1926. Oct.
*Publ.*: 1926, p. [1]-29, *pl. 1-14. Copy*: U. – Issued as and to be cited from Dansk Bot. Ark. 5(1): [1]-29, *pl. 1-14.* 1926.

**17.585.** *Vegetationen paa Reservatet Vorsø* i Horsens Fjord .... København (Bianco Luno AS) 1938. Oct.
*Publ.*: 1938, t.p., p. [260]-306, 1 map. – Reprinted with special cover and t.p. and

original pagination and to be cited from Bot. Tidsskr. 44(3): 260-306, 1 map. 1938. *Copy*: Peterson.

**17.586.** *Nogle nye Hieraciumarter i Danmark* ... København (Bianco Lunos Bogtrykkeri A/S) 1939. Oct.
*Publ.*: 1939, cover-t.p., p. [1]-13, *2 pl.* – Issued as and to be cited from Dansk Bot. Arkiv 9(10): 1-13, *pl.* [*1-2*]. 1939. *Copies*: Peterson, U.

**Wijk, Roelof van der** (1895-1981), Dutch bryologist; teacher at a primary school 1913-1916; id. at teachers colleges in Meppel and Groningen 1916-1947; Dr. phil. Univ. Groningen 1930 (with J.C. Schoute); professor of systematic botany Groningen 1947-1965; collected bryophytes in Indonesia 1952; senior and principal author of the *Index muscorum*. (*Wijk*).

HERBARIUM and TYPES: GRO. – Further material in BO, L.

BIBLIOGRAPHY and BIOGRAPHY: Bossert p. 436; GR p. 709; IH 1 (ed. 1): 38, (ed. 2): 56, (ed. 3): 68, 88, (ed. 4): 74, 96, (ed. 5): 72, 99, (ed. 6): 110, 366, (ed. 7): 346; Roon p. 123; SBC p. 135, TL-2/16.031.

BIOFILE: Anon., Rev. bryol. 53: 30. 1926, ser. 2. 1: 166, 218. 1928; Rev. bryol. lichenol. 11: 129. 1939, 18: 91, 92, 98, 193. 1949, 20: 226. 1951, 22: 117. 1953, 30: 167. 1961, 32: 322. 1963, 36: 360. 1969; Taxon 30: 737. 1981 (d.).
Lowden, R.M., Taxon Index pers. names vols. 1-30. 792. 1985.
Sayre, G., Bryologist 80: 520. 1977 (coll.).
Steenis, C.G.G.J. van, Fl. males. Bull. 2: 43. 1947 (app. Groningen), 10: 355. 1953 (returned from Indonesia), 21: 1384. 1966 (retirement).
Taylor, S.S. & M. Spruytenburg, Who's who in the Netherlands 1962-1963: 804.
Verdoorn, F., Chron. bot. 1: 31. 1935, 2: 31. 1936.
Zanten, B.O. van, Fl. males. Bull. 34: 3547-3549. 1981 (obit.; b. 28 Mar 1895, d. 12 Feb 1981).

COMPOSITE WORKS: (1) *Morphologie und Anatomie der Musci*, *in* F. Verdoorn, ed., *Man. bryol.* 1-40. 1932 [facs. ed. 1967], TL-2/16.031.
(2) Chief editor, R. v.d. Wijk, W.D. Margadant and P.A. Florschütz, *Index Muscorum*, Utrecht 1959-1969, 5 vols. (in series Regnum vegetabile of I.A.P.T.). – Note by F.A.S.: "Chief editor" was not an empty phrase in this case: van der Wijk was the major driving power behind this undertaking and his share in the work was by far the largest. – See also his *Index bryologicus*, Taxon 5(4): 97. 1954.
(3) Editor, J.C. Schoute, *Biomorphology in general*, Verh. Kon. Ned. Akad. Wet., Amsterdam, Nat. sect. 2. 46(1). 1949.
(4) With W.D. Margadant, *New combinations in mosses*, 1-7, *in* Taxon 7(9): 287-290. 1958, 8(2): 70-75, 8(3): 106. 1959, 9(2): 50-52. 1960, 9(6): 189-191. 1960, 10(1): 24-26. 1961, 11(7): 221-223. 1962.

EPONYMY: *Bryowijkia* A. Noguchi (1973); *Wijkia* H.A. Crum (1971).

**17.587.** *Über den Bau und die Entwicklung der Peristomzähne bei Polytrichum*. Proefschrift ter verkrijging van den graad van doctor in de wis- en natuurkunde aan de Rijksuniversiteit te Groningen, ... in het openbaar te verdedigen op Vrijdag 14 Februarie 1930 des namiddags te 4 uur ... Amsterdam (N.V. Drukkerij en Uitgeverij J.H. de Bussy) 1930. Oct. (*Bau Entw. Peristomzähne Polytrichum*).
*Publ.*: 14 Feb 1930, p. [i]-viii, [289]-394, [395, cont.], [1-4 theses]. *Copies*: FH, H. – Preprinted from Rec. Trav. bot. néerl. 26: [289]-391. 1929 (1930).

**Wikström, Johan Emanuel** (1789-1856), Swedish botanist; Dr. med. Uppsala 1817; curator of the botanical department of the Stockholm Riksmuseum and successor to O. Swartz as teacher at the Bergius Garden 1818-1856; temp. teacher at the Stockholm Gymnasium 1821-1842; professor's title 1823; historian and bibliographer of Swedish botany. (*Wikstr.*).

HERBARIUM and TYPES: SBT. – Other material in B (mainly destr.), CGE, E, G, G-DC, GB, GOET, P, U, UPS, W. – *Manuscripts* and *correspondence* at KVA; private notes at UPS-UB and Peterson. – *Letters* to D.F.L. von Schlechtendal at HAL; other letters at G, Kalmar Stifts- och Gymnasiebibliotek, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 626; Barnhart 3: 494; BL 1: 230, 324, 2: 547, 732; BM 5: 2319; GR p. 503; Herder p. 485 [index]; Hortus 3: 1207; IF 737; IH 1 (ed. 6): 366, (ed. 7): 346; Jackson p. 5, 468; Kleppa see index; KR p. 761-764 (main bibl., b. 1 Nov 1789, d. 4 Mai 1856); Langman p. 804; Lasègue p. 340, 346; Lenley p. 434; LS 28841-28843; MW p. 528; NI 2: 228; PR 9071, 9313, 10250-10259, ed. 1: 666, 10016, 10282, 11224-11235; Rehder 5: 921; RS p. 149; SO 2474, 3649; TL-2/2136, 13.537, 14.352, 14.396, see C.T. Beilschmied and C.T. Thunberg; Tucker 1: 745; Urban-Berl. p. 410; Zander ed. 10, p. 733.

BIOFILE: Afzelius, K., *in* Nordisk Familjebok 20: 474. 1934.
Andersson, N.J., Lefnadsteckn. K. Sv. Vet.-Akad. Ledamöter 1: 49-58. 1869 (biogr., bibl.).
Anon., Bonplandia 3: 35. 1855 (cogn. Leopoldina: Hasselquistius), 4: 194. 1856, 6: 340-341. 1858; Bot. Zeit. 14: 408. 1856 (obit. not.); Flora 39: 288 (d.), 766 (N.J. Andersson successor). 1856, 40: 366. 1857 (Andersson assumes Wikström as Leopoldina cognomen); Österr. bot. W. 6: 181. 1856 (d.).
Fries, R.E., ed., Short hist. bot. Sweden 48. 1950.
Högrell, B., Bot. hist. 1: 236. 1886.
K.A., *in* Nordisk Familjebok 20: 474. 1934.
Lindman, S., *in* Sv. män och kvinnor 8: 380. 1955.
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Lundqvist, Å., Sv. Bot. Tidskr. 75: 305, 312. 1981 (local floristics), Sv. Linnésällsk. Årsskr. 1975-1977: 42. 1981 (portr.).
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Rydberg, P.A., Augustana Coll. Libr. Publ. 5: 24. 1907.
Schmid, G., Goethe u.d. Naturw. 619 [index]. 1900.
Sprague, T.A., Bull. misc. Inf. Kew 1921: 175-176. 1921 (on the three Wikstroemias).
Wagenitz, G., Index Coll. princ. herb. Gott. 179. 1982.
Wittrock, V.B., Acta Horti berg. 3(2): 76. 1903.

COMPOSITE WORKS: (1) *In* C.P. Thunberg, *Mus. nat. acad. Upsal.* app. 21, 1813, p. 3-20 two lichenological papers, see TL-2/14.352.
(2) Editor, O. Swartz, *Adnotationes botanicae* 1829 (with obituary), TL-2/13.537.
(3) Editor, *Öfversigt af de sednare årens botaniska arbeten* och upptäckter [1820], *Öfversigt af botaniska arbeten* och upptäckter för år. 1821-1825; *Årsberättelse om framstegen uti Botanik* för år 1826-1827; *Års-berättelser om botaniska arbeten* och upptäckter för år 1828-1852; translated by C.T. Beilschmied, *Jahresbericht* der Königl. Schwedischen Akademie der Wissenschaften, über die Fortschritte der Botanik im Jahre 1820-1843, Breslau 1834-1847 (see PR 10259).

HANDWRITING: Candollea 34: 203-204. 1979.

EPONYMY: *Wikstroemia* K.P.J. Sprengel (1821); *Wikstroemia* H.A. Schrader (1821, *nom. rej.*); *Wikstroemia* ("*Wickstroemia*") Endlicher (1833, *nom. cons.*).

**17.588.** *Dissertatio de Daphne* Quam venia exp. Fac. med. upsal. praeside Carol. P. Thunberg ... pro gradu medico proponit auctor Joh. Em. Wikström, vestrogothus. In Audit. botanico d. xiii Junii mdcccxvii. H.A.M.S. Upsaliae [Uppsala] (typis Zeipel et Palmblad) [1817]. Qu. (*Diss. Daphne*).
*Diss.*: 13 Jun 1817, p. [1]-56. *Copies*: NY, Peterson, USDA.
*Commercial ed.*: 1817, p. [1]-54. *Copies*: G, HH, LD, NY. – *Dissertatio de Daphne*, auctore Joh. Em. Wikström. Upsaliae (excudebant Zeipel et Palmblad) 1817. Qu.
*Ed. altera, emendata et aucta*: 1820, p. [i-ii], [1]-42. *Copies*: G, NY, Peterson. – Stockholmiae (typis A.M. Strinnholm et C.) 1820. Qu. (in 2-s). Botany on p. 1-40: on p. 41-42: *De usu medico specierum Daphnes.*

*See also*: *Comm. sp. gen. Daphn.* 1820, below.

**17.589.** *Granskning af de till Thymelaearum* växtordning *hörande slägten och arter* ... [Sv. Vet.-Akad. Handl. ... 1818]. Oct.
*Publ.*: 1818, p. 263-355, *pl. 10* (uncol. copp. C. Hartman). *Copies*: G, HH. – Reprint (or tearsheet?, no identification) of two papers in Sv. Vet.-Akad. Handl. 39: 263-349 and 350-355, *pl. 10.* 1818. Second paper (p. 350-355): *Beskrifning af ett nytt slägte* ibland växterne, kalladt *Lonchostoma* [now: *nom. cons.*]. Papers to be cited from journal. – B. Peterson (Göteborg) has a copy consisting of p. 263-349 only. The *Lonchostoma* paper was also preprinted or reprinted separately, see below.

**17.590.** *Beskrifning af* ett nytt slägte ibland växterne, kalladt *Lonchostoma* ... Ur K.V.A. Handl. St. 2. 1818. Oct. (*Beskr. Lonchostoma*).
*Publ.*: 1818, p. [1]-6, *pl. 10. Copies*: G, HH, Peterson. – Reprinted from K. Sv. Vet.-Akad. Handl. 39: 350-355. *pl. 10.* 1818. – *Lonchostoma* Wikström 1818 (nom. cons.), see ING 2: 1002. – This reprint occurs in this way and may then be a preprint 1818; however it occurs also as part of a 14 p. reprint dated 1821, see below *Trenne nya Arter* ... *Eriocaulon.*

**17.591.** *Enumeratio specierum generis Daphnes* ... [Stockholmiae, 1820. Typis E.A. Ortman]. Oct. (*Enum. sp. Daphne*).
*Publ.*: 1820 (Flora rev. 4(1): 49-52. 28 Jan 1812), p. [1]-16. *Copies*: G, HH, NY.

**17.592.** *Trenne nya arter af örtslägtet Eriocaulon*; ... (Ur K.V.A. Handl. St. I. 1820). Oct.
*Publ.*: 1820 (in journal; journal issue rev. Flora 28 Jan 1821), p. [1]-8 [no plates, sic]. *Copy*: G. – Reprinted or preprinted from Sv. Vet.-Akad. Handl. 41(1): 74-81 [without *pl. 3-4*]. 1821.
*Other issue*: 1821, p. [7]-14, [15], [16, colo. dated 1821], *pl. 3-4. Copies*: G, HH, Peterson. – Original publication in Sv. Vet.-Akad. Handl. 41 (for 1820)(1): 74-81, *pl. 3-4.* 1820. The reprint is the second part of a combination of this paper with the above paper on *Lonchostoma* (1818), p. [1]-14, [15], [16, colo. "Typis Ernst A. Ortman, Stockholmiae 1821"]. – See also KR p. 762, no. 7(b), (c).

**17.593.** *Några arter af växtslägtet Rosa* ... Stockholm ... (Tryckt hos J.P. Lindhs Enka) 1821. Oct.
*Publ.*: 1821, p. [1]-14, *1 pl. Copy*: Peterson. – Preprinted or reprinted from Sv. Vet.-Akad. Handl. 41(2): 266-277, *pl. 3.* 1821 (for second half 1820).

**17.594.** *Tvenne arter af växtslägtet Equisetum* ... Stockholm (Tryckt hos J.P. Lindhs Enka) 1821. Oct. (*Tvenne art. Equisetum*).
*Publ.*: 1821 (t.p. preprint/reprint), p. [1]-7, *pl. 6* (uncol. copp. Im. Billberg). *Copies*: G, H, LD. – Preprinted or reprinted from K. Sv. Vet. Acad. Handl. 42(2): 360-364. *pl. 6.* 1821 or 1822. The journal issue 42(2) came out in 1822 (see below, *Beskr. Fritillaria*).

**17.595.** *Beskrifning* af tvenne nya arter af växtslägtet *Fritillaria*, jemte anmärkningar om åtskilliga arter af samma slägte ... Stockholm (tryckt hos J.P. Lindhs Enka) 1822. Oct.
*Publ.*: 1822 (t.p. reprint), p. [1]-11, *pl. 5* (uncol. copp. Im. Billberg). *Copies*: FI, G(2), Peterson. – Reprinted from K. Sv. Vet. Acad. Handl. 42(2): 350-359, *pl. 5.* 1822 (for second half 1821) (preceding in pagination the Equisetum preprint above, which was dated 1821).

**17.596.** *Mindre kända växter* ... Stockholm (Tryckt hos J.P. Lindhs Enka) 1823. Oct.
[*1*] *Första stycket*: 1823, p. [1]-14. *Copies*: G(2), Peterson. – Reprinted and to be cited from K. Sv. Vet.-Akad. Handl. 43: 382-393. 1823.
[*2*]: 1824, p. [i], [1]-10. *Copy*: G. – Id. 44(2): 274-283. 1824.

**17.597.** *Bidrag till kännedomen om sällsyntare växters geographiska utbredning inom Sverige*, samlade och ordnade af ... [Stockholm 1824]. Oct.
*Publ.*: 1824, p. [439]-461. *Copy*: Peterson. – Reprinted and to be cited from K. Vet.-Akad. Handl. 1824: [439]-461.

**17.598.** *Öfversigt af ön Sanct Barthelemi's flora* ... [Stockholm 1825]. Oct.
*Publ.*: 1825, p. [1]-23. *Copies*: G, Peterson. – Reprinted and to be cited from K. Vet.-Akad. Handl. 1825: 411-434. – See also I. Urban, Symb. ant. 1: 176-177. 1898.

**16.599.** *Nya eller mindre kända arter af ormbunkar* (Filices) ... [Stockholm 1825]. Oct.
*Publ.*: 1825, p. [1]-11. *Copies*: G(2). – Reprinted and to be cited from Sv. Vet.-Akad. Handl. 1825: 434-444.

**17.600.** *Öfversigt af ön Guadeloupe's flora*; ... [Stockholm 1827]. Oct.
*Publ.*: 1827, p. [51]-79. *Copy*: G. – Reprinted and to be cited from K. Sv. Vet.-Akad. Handl. 1827: [51]-79. – See also I. Urban, Symb. ant. 1: 177. 1898 and D.F.L. von Schlechtendal, ed., Linnaea 5 (Litt.): 89-91. 1830.
*Ref.*: Wikström, J.E., Årsber. framst. bot. 1827: 272-273. 1828.

**17.601.** *Den Americanska Agave's* eller den så kallade hundradeåriga Aloë'ns, naturalhistoria ... Stockholm (tryckt hos P.A. Norstedt & Söner) 1828. Oct.
*Publ.*: 1828, p. [i], [1]-15. *Copy*: G, LD. – Reprinted and to be cited from K. Vet.-Acad. Årsb. 1827: 294-308. 1828. – See also Wikström, J.E., ib. 1832: 227-299, 1834: 176.
*German*: in Jahresber. Schwed. Akad. Wiss. 1827: 224-227. 1828 and in F. Otto and A. Dietrich, Allg. Gartenz. 1: 145-149. 1833.

**17.602.** *Conspectus litteraturae botanicae in Suecia* ab antiquissimis temporibus usque ad finem anni 1831, notis bibliograficis et biographiis auctorum adjectis .... Holmiae [Stockholm] (Excudebant P.A. Norstedt et filii). 1831. Oct. (*Consp. litt. bot. Suec.*).
*Publ.*: 1831 (p. iv: 4 Nov 1831), p. [i*], [i]-viii, viii bis, ix-xlix, [1]-341, [342, err.]. *Copies*: G, H, HH, LD, MO, NY, U; IDC 5202. – 250 copies printed. – A mss. supplement 1831-1854/1855 is at the Vet. Akad. Stockholm, fide Krok.

**17.603.** *Stockholms flora*, eller korrt Beskrifning af de vid Stockholm i vildt tillstånd förekommande växter. Med en inledning, innehållande en öfversigt af Stockholms-Traktens Natur-Beskaffenhet ... Förra Delen. Jemnte Charta öfver Stockholms omgifningar på en mils afstånd. Stockholm (tryckt hos P.A. Norstedt & Söner, ...) [1839-] 1840. Oct. (*Stockh. fl.*).
*Publ.*: 1839-1840, in four parts. *Copies*: Almborn, G, H, LD, MO, NY,PH.
*Introduction*: 1840, map, p. [i]-viii.
*Öfversigt*: 1839, p. [i]-vi, [1]-177, 178 err. [and, possibly publ. 1840:] supplement p. [179]-185, [186], err. – Separate t.p.: *Öfversigt af Stockholms-Traktens Natur-Beskaffenhet*, framställd af Joh. Em. Wikström. Förra Afdelningen. (Inledning till Författarens Stockholms Flora. Förra Delen. Stockholm (Tryckt hos P.A. Norstedt & Söner ...) 1839. Oct.
*Stockholms flora Förra delen*: 1840, p. [i-ii], 1-423 (half-title only with this text).
*Tillägg till florans förra del.*: 1840, p. [1]-23,, [24]-27, index, [28-29 err.]. – No separate t.p.
[*Sednare delen*]: 1844 (see KR p. 768), p. [1]-8. *Copies*: Almborn, LD, Peterson. – These pages, comprising Didynamia, part of Tetradynamia, were never offered for sale. – A further manuscript Polygamia-Cryptogamia is at Stockholm (Vet. Akad.).

**Wilbrand, Johann Bernhard** (1779-1846), German (Westphalen) botanist and physician; Dr. med. Würzburg 1806; "Privatdocent" at the University of Münster 1806-1808; professor of anatomy and natural history Giessen Univ. 1809-1844, from 1817 also director of the botanical garden; ardent promoter of the "Naturphilosophie". (*Wilbr.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 494 (b. 8 Mar 1779, d. 9 Mai 1846); BM 5: 2320, 8: 1432; Collander p. 567; CSP 6: 365-366; DSB 14: 351-352; DTS 1: 327; GR p. 153; Herder p. 96, 143, 168; KR p. 764 (death date, 15 Nov 1846, erron.); LS 28844; NI 2: 1162; PR 10261-10265, ed. 1: 11236-11240; Rehder 5: 921; SO 157, 157b, add. 813d; TL-2/4644.

BIOFILE: Anon., Bot. Zeit. 4: 440 (d.), 456 (d. 9 Mai 1846, correct; obit. not.). 1846; Brit. Mus. gen. cat. print. books 257: 527-528. 1965; Flora 29: 528. 1846 (d. 9 Mai 1846).
Feist, F.F., Neu. Nekrol. Deut. 24(1): 271-297. 1846 (biogr.).
Ilg, W., Hoppea 42: 228. 1984.
Krempelhuber, A. von, Gesch. Litt. Lichenol. 2: 6. 1869.
Murken, A., Med. Monatschr. 24(4): 165-170. 1970 (on W. and Goethe).
Pritzel, G.A., Linnaea 19: 464. Dec 1846.
Probst, C., Sudhoff's Archiv 50(2): 157-178. 1966 (W. and die Physiologie der Romantik).
Rassmann, E., Nachr. Leb. Schr. Münsterländ. Schriftst. 374-375. 1866 (curr. vitae, bibl.).
Schmid, G., Goethe u.d. Naturw. 619 (index). 1940.

COMPOSITE WORKS: Translator, J. Lindley, *Einleitung in das natürliche System der Botanik* 1833, see TL-2/4644.

EPONYMY: *Wilbrandia* Silva Manso (1836).

**17.604.** *Darstellung der gesammten Organisation* ... Giessen und Darmstadt (bei Georg Friedrich Heyer) 1809-1810, 2 vols. Oct. (*Darst. ges. Organisation*).
*1*: 1809 (p. xiv: Mar 1808), p. [i]-xiv, [xv], [1]-396, [397, err.].
*2*: 1810 (pref. Oct 1809), p. [i-v], [1]-502.
*Copy*: PH.

**17.605.** *Handbuch der Botanik* nach Linnés System enthaltend die in Deutschland und den angränzenden Gegenden wildwachsenden, und merkwürdige ausländische Gewächse; mit Hinwirkung auf die natürlichen Pflanzenfamilien, und mit Bemerkungen, die Benutzung der einzelnen Pflanzen in der Pharmacie, Oeconomie, Technologie, u.s.w. betreffend; zum Gebrauche beym Selbststudium der Botanik, und bey Vorlesungen ... Giessen (gedruckt und verlegt von Georg Friedrich Heyer) 1819. Oct. (*Handb. Bot.*).
*[1]*: Jul 1819 (p. viii: Mai 1819; Flora 21 Jul 1819 sic), p. [i]-x, [1]-544, *pl. 1-16.*
*2*: Jul 1819 (Flora 21 Jul 1819), p. [i], [1]-491, [492, err.].
*Copies*: G, NY, PH.
*Neue Auflage*: 1837, lvi, 703 p., Darmstadt (Leske). *Copy*: H-UB, n.v. (Flora 14 Jun 1837, publisher's announcement; Hinrichs 23-29 Apr 1837; Flora 28 Jun 1837 (rev.), extensive review Flora 22: 164-176. 14 Dec 1839.

**17.606.** *Uebersicht der Vegetation Deutschlands* nach ihren natürlichen Familien ... Stadtamhof (Gedruckt bei Lorenz Stephan Schaupp) 1824. Oct. (*Uebers. Veg. Deutschl.*).
*Publ.*: Jan-Mar 1824 (in journal), p. [i], [1]-75. *Copy*: HH. – Also published as Flora 7 (Beil. 1): 1-75. 1824.

**17.607.** *Die natürlichen Pflanzenfamilien* in ihren gegenseitigen Stellungen, Verzweigungen und Gruppirungen zu einem natürlichen Pflanzensysteme ... Giessen (Druck und Verlag von Georg Friedrich Heyer, ...) 1834. Oct. (*Nat. Pflanzenfam.*).
*Publ.*: 1834 (p. iv: Mai 1834; Flora 28 Dec 1834), p. [i]-iv, [1]-95, [96, err.]. *Copies*: G, NY.

**Wilcke, Georg Wilhelm Constantin von** (*fl.* 1788), German botanist. (*G. Wilcke*).

HERBARIUM and TYPES: Some material at SBT.

BIBLIOGRAPHY and BIOGRAPHY: Herder p. 413; PR 10266, ed. 1: 11241; Rehder 1: 370, 4: 81; Tucker 1: 745.

EPONYMY: The derivations of *Wilckea* Scopoli (1777) and *Wilckia* Scopoli (1777, *nom. rej.*) were not given.

**17.608.** George Wilhelm Constantin von Wilcke *über die Giftpflanzen* unsrer Küchen-

gärten. Eine Abhandlung für Gärtnerey, Haushaltung und Küche. Halle (bei Johann Jacob Gebauer) 1787. Oct. (*Giftpflanzen*).
*Publ.*: 1783, p. [1]-46. *Copy*: NSUB.

**17.609.** *Versuch einer Anleitung* die wilden *Bäume und Sträucher* unsrer deutschen Wälder und Gehölze auf ihren blossen Anblick und ohne weitere mündliche Belehrung mit Sicherheit erkennen und unterscheiden, auch ihren Nutzen beurtheilen zu lernen. Zum Gebrauche angehender Cameralisten, Forstleute, Oekonomen, Gärtner und naturliebender Spaziergänger im Walde ... Halle (bey Johann Jacob Gebauer) 1788. Oct. (*Vers. Anleit. Bäume*).
*Publ.*: 1788, p. [i]-viii, [1]-326, *pl. 1-3*. *Copies*: HH, Erlangen-UB.

**Wilcke, Samuel Gustav** (x-1791), German naturalist and clergyman at Greifswald. (*S. Wilcke*).

HERBARIUM and TYPES: Some material in LINN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 494; BM 5: 2320; Dryander 3: 122, 163; Herder p. 157, 190; LS 28865; PR 10267-10268, ed. 1: 11243-11244; Rehder 1: 44, 373; SO 68; TL-2/3819; Tucker 1: 745.

BIOFILE: Fries, Th.M., Bref Skrifv. Linné 1(5): 305. 1911.
Hamberger, G.C., ed., J.G. Meusel cont., Das gelehrte Deutschland 8: 531. 1800, 10: 830. 1803, 12: 394. 1806 (d. 1791).
Jackson, B.D., Proc. Linn. Soc. 134 (suppl.): 21. 1921.

**17.610.** Samuelis Gustavi Wilcke ... *Hortus Gryphicus*. Exhibens plantas, prima eius constitutione illatatas et altas una cum horti historia. Gryphiae [Greifswald] (impensis academicis litteris Rösenianis) 1765. Oct. (*Hort. Gryph.*).
*Publ.*: 1765, p. [i-xxxii], [1]-104, [105-112, index]. *Copies*: H-UB, HH, Peterson.

**17.611.** Samuelis Gustavi Wilcke ... *Flora Gryphica*. Exhibens plantas circa Gryphiam intra milliare sponte nascentes una cum nominibus et locis natalibus. Gryphiae [Greifswald] (impensis academicis litteris Rösianis) 1765. Oct. (*Fl. gryph.*).
*Publ.*: 1765 (p. 11: 20 Dec 1764), p. [1]-144, [1-20, index]. *Copies*: BR, H-UB, HH, MO, NY.
*Supplement*: See A.B. Koelpin, *Fl. Gryph. suppl.* 1769, TL-2/3819.

**Wilcox, Edwin [Forrest] Mead** (1876-1931), American agricultural botanist and plant pathologist; B.S. Ohio State 1896; Dr. phil. Harvard 1899; assistant in botany Ohio State 1894-1897; fellow Harvard 1899-1900; in Buitenzorg (Bogor), Indonesia 1900; professor of botany and entomology, Oklahoma Agr. Mech. College 1900-1901; biologist and horticulturist Alabama Polytechnic Inst., Auburn 1901-1904; professor of botany Alabama Experiment Station 1904-1908; professor of agricultural botany Nebraska Exp. Sta. and State botanist 1908-1920; director Santo Domingo Exp. Sta. 1920-1921; professor of biology Transylvania College 1924-1926; assistant John Crerar Library 1924-1926; director Agronomical Station and College of Agriculture Haina, East Lansing, Mich. from 1927. (*E.M. Wilcox*).

HERBARIUM and TYPES: OS. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 494 (b. 21 Mai 1876); CSP 19: 611; Hirsch p. 323; Lenley p. 434; LS 28846-28851, 40577-40581; NW p. 61; Stevenson p. 1262; Tucker 1: 745.

BIOFILE: Anon., Amer. men sci. eds. 1-5, 1906-1933; Hedwigia 40: (204). 1901 (app. Auburn); Index Amer. bot. lit. 1886-1966. 4: 532. 1969; Österr. bot. Z. 58: 455. 1908 (app. Nebraska); Who's who Amer. 3-14. 1903-1927, 21: 2761; Who was who Amer. 1: 1344. 1968.
Barnhart, J.H., Bull. N.Y. Bot. Gard. 9: 78-79. 1908, 12: 144-145. 1911.

Melsheimer, E., Ohio State Univ. Bull. 37(5): 368. 1932.

**17.612.** *A handbook of Nebraska grasses* with illustrated keys for their identification, together with a general account of their structure and economic importance ... Lincoln, Nebraska 1945. Oct. (*Handb. Nebraska grass.*).
*Co-authors*: George Konrad Karl Link (b. 1888) and Venus Worrell Pool (b. 1882).
*Publ.*: 1 Apr 1915, p. [1]-120. *Copies*: G, HH, MO, NY, Stevenson. – Bull. Agr. Exp. Sta. Nebraska 148 (vol. 27, art. 5).

**Wilczek, Ernst** (1867-1948), Swiss botanist; Dr. phil. Zürich 1892; extraordinary professor of systematic and pharmaceutical botany at Lausanne University 1892, ordinary professor 1902-1934; travelled in the Argentine Andes 1897, in Morocco 1928. (*E. Wilcz.*).

HERBARIUM and TYPES: LAU. – Other material in A, B (mainly destr.), BR, DPU, E, G, GB, K, S, U, US, W. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(3): 53, 12(2): 193; Barnhart 3: 494 (b. 22 Jan 1867); BFM 1114; BJI 2: 191; BL 1: 20, 233, 324, 2: 732 [index]; Bossert p. 436; CSP 19: 611; Hegi 6(2): 672; Herder p. 323; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; LS 32796, suppl. 29994-29995; Rehder 1: 438; TL-2/10.714, 11.173, 15.722, see A. Thellung; Tucker 1: 745.

BIOFILE: Aellen, H., Schweiz. Zeitgen.-Lex. ed. 1. 729. 1921, ed. 2. 982. 1932.
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Gager, C.S., Brooklyn Bot. Gard. Rec. 27(3): 335, 337. 1938 (dir. bot. gard. Lausanne and Bex 1894-1937).
Maillefer, A., Act. Soc. Helv. Sci. nat. St. Gall. 1948: 380-386 (obit., portr., bibl.).
Turrill, W.B., Bull. misc. Inf. Kew 1920: 63 (coll. Andes 1897).
Verdoorn, F., ed., Chron. bot. 1: 76, 260, 262. 1935, 2: 30, 35, 65, 66, 276. 1936, 3: 241. 1937, 4: 181. 1938, 5: 299. 1939.
Wilczek, E., Bull. Soc. Vaud. Sci. nat. 60: 20-28. 1937 (growth coll. LAU); Boissiera 5: 93-94. 1941.

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(2) With C.-H. Zahn (q.v.), *Hieracia helvetica nova*, Bull. Soc. Murithienne 42: 188-203. 1924.
(3) With L. Vaccari (q.v.), *La vegetazione del versante meridionale delle alpi graie orientali* ... 1909. Oct., TL-2/15.722.
(4) With C. Schröter et al., *Prop. lois nom. bot.* 1904, TL-2/11.173.

EPONYMY: *Wilczekia* Meylan (1925).

**17.613.** *Beiträge zur Kenntniss des Baues von Frucht und Samen der Cyperaceen.* Inaugural-Dissertation zur Erlangung der Doctorwürde, eingereicht der philosophischen Facultät der Universität Zürich ... Cassel (Druck von Gebrüder Gotthelft) 1892. Oct. (*Beitr. Fr. Sam. Cyperac.*).
*Publ.*: Jul or early Aug 1892 (preprint; Nat. Nov. Aug(2) 1892; journal 4-25 Aug), p. [1]-37, *pl. 1-6. Copies*: B, G, NY. – Preprinted or reprinted and to be cited from Bot. Centralbl. 51: 129-138. 4 Aug, 193-201. 10 Aug, 225-233. 17 Aug, 257-265. 25 Aug 1892.

**17.614.** *Notes sur quelques "Senecio"* du groupe "Incani" DC. ... Extrait du Bulletin de la Murithienne ... [1900]. Oct.
*Publ.*: 1900, p. [1]-5. *Copy*: G. – Reprinted and to be cited from Bull. Murith. 28: 289-293. 1900.

**17.615.** *Contributions à la flore de la République argentine.* Énumération critique des plantes récoltées par M.E. Wilczek à Saint-Raphaël et dans la vallée de l'Atnel ... Bulletin de l'Herbier Boissier ... 1902. Oct.
*Senior author*: Robert Hippolyte Chodat (1865-1934), TL-2/1: 496-497.
*Publ.*: in three parts in Bull. Herb. Boiss. ser. 2. 2. 1902. *Copy*: U.
[*1*]: 28 Feb 1892, p. [1]-16, Bull. p. 281-296.
[*2*]: 30 Apr 1892, p. [17]-32, Bull. p. 475-490.
[*3*]: 31 Mai 1892, p. [33]-56, Bull. p. 521-544.

**17.616.** *Notes sur les Hieracium* des Alpes suisses et limitrophes. Extrait du Bulletin de la Murithienne, ... [1902]. Oct.
*Publ.*: 1902, p. [i], [1]-7. *Copy*: G. – Reprinted and to be cited from Bull. Murith. 31: 98-115. 1902.

**17.617.** *Note sur une forme rare ou peu observée du Convallaria majalis* L. ... Extrait du Bulletin de l'Herbier Boissier ... 1903. Oct.
*Publ.*: 30 Jun 1903, p. [i], [1]-2. *Copy*: B. – Reprinted and to be cited from Bull. Herb. Boissier ser. 2. 3(7): 650-651. 1903.

**17.618.** *Ophrys Botteroni* Chodat *var. Chodati* nov. var. ... Bull. Herb. Boiss. 1906. Oct.
*Publ.*: 31 Mar 1906, p. [1]-2. *Copies*: B, U. – Issued as and to be cited from Bull. Herb. Boiss. ser. 2. 6(4): 324-325. 1906.

**17.619.** *A propos du Gentiana acaulis* L. ... Lausanne (Imprimeries Réunies S.A.) 1910. Oct.
*Publ.*: Jun 1910 (in journal), cover-t.p., p. 195-201. *Copies*: B, G. – Reprinted and to be cited from Bull. Soc. vaudoise Sci. nat. 46(169): 195-201. 1910.

**17.620.** *Contributions à la flore des Préalpes bergamasques* ... Genève (Imprimerie Reggiani & Renaud ...) 1912. Oct.
*Junior author*: Paul Chenevard (1839-1919), TL-2/1: 492.
*Publ.*: 15 Dec 1912 (see e.g. P. Beauverd, Bot. Centralbl. 128: 508. 1915), p. [1]-40. *Copy*: G. – Reprinted and to be cited from Annu. Cons. Jard. bot. Genève 15-16: 248-287. 1912.
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**17.621.** *Contribution à la connaissance de la flore suisse* ... Lausanne (Librairie F. Rouge & C^ie^) 1917. Oct.
*Publ.*: 1917, p. [i], [321]-334. *Copies*: B, G. – Reprinted and to be cited from Bull. Soc. vaud. Sci. nat. 51(192): 321-334. 1917.

**17.622.** *Les tulipes ériostémones valaisannes* ... Bull. Soc. Vaud. Sci. nat. [1932]. Oct.
[*1*]: 15 Nov 1922 (cover issue 207 so dated), p. 417-422. *Copies*: B, U. – Reprinted and to be cited from Bull. Soc. Vaud. Sci. nat. 54(207): 417-422. 1922.
[*2*]: 1923, id. 55: 21-34. 1923.

**17.623.** *La flore des haies en Valais* et principalement à Zermatt ... Zürich (Verlag von Rascher & Co.) 1925. Oct.
*Publ.*: 1925, cover-t.p., p. [264]-270. *Copy*: G. – Reprinted and to be cited from Festschr. Carl Schröter, Veröff. Geobot. Inst. Rübel Zürich 3: [264]-270. 1925.

**17.624.** *Un nouveau Knautia helvétique* ... Extrait de Candollea ... 1928. Oct.
*Publ.*: Nov 1928, p. [1]. *Copy*: G. – Reprinted and to be cited from Candollea 3: 490. 1928.

**Wilczek, Rudolf**(1903-1984), Polish botanist; studied at the University of Lwów 1925; assistant at the Institute of plant systematics 1925; assistant at the Institute of culture and protection of plants Lwów 1927; from 1928-1932 connected with the Peat research institute; Dr. phil. Lwów 1931; teacher at a high school in Myslowice 1932; on a trip to Greenland 1937; prisoner of war in Germany 1939-1945; stationed at the Centre polonais des Hautes Études in Belgium 1945-1947; with the I.N.E.A.C. in Brussels 1948-1962; stationed at the Jardin botanique de l'État at Brussels 1962-1968; in retirement working at that same institution 1968-1984. (*R. Wilcz.*).

HERBARIUM and TYPES: BR. – The Greenland collections made Jun-Sep 1937 were destroyed during World War II, but some material is still at KRA.

BIBLIOGRAPHY and BIOGRAPHY: Bossert p. 436; Hortus 3: 1207; IH 1 (ed. 1): 15, (ed. 2): 30, (ed. 3): 34, (ed. 4): 35, (ed. 5): 28, (ed. 6): 38; Roon p. 123.

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 223: 487. 1975; Czy wiesz kto to jest? 799. 1938;; Int. address book of botanists, London 1931, p. 296 ("Assistant de Bureau pour l'Assèchement de Polesie, Breześć); Rev. bryol. lichénol. 18: 187. 1949, 19: 253. 1950, 20: 311. 1951, 38: 310, 616. 1972, 41: 508, 509. 1976.
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Lowden, R.M., Taxon, Index pers. names vols. 1-30. 793. 1984.

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(2) Contributed to W. Robyns et al., ed., *Flore du Congo Belge et Ruanda-Urundi*, vols. 2-10, 1951-1956: (2) Laurac., Capparid., (3) Caesalpin. p.p., (4) Papilion.-Genisteae, (7) Oxalidac., Linac., Malpigh., Balsamin., (10) Tiliac.

**17.625.** *Spis mchów czarnohory* ... W Krakowie (Nakładem Polskiej Akademji Umiejetności ...) 1931. Oct.
*Publ.*: 1931, cover-t.p., p. [1]-41. *Copies*: BR, H, U. – Issued as Rozprawy Wydziału mat.-przyrodn. 69(B) no. 9. 1929, p. [363]-403. 1929 [1931].

**17.626.** *Starodyluwjalne mchy Walawy i Baryczy* (Altdiluviale Moose von Walaw und Barycz) ... Warszawa 1932.
*Publ.*: 1932, cover-t.p., p. [237]-288. *Copies*: BR, H. – Reprinted and to be cited from Acta Soc. Bot. Polon. 9 (suppl.): [237]-288. 1932. – German summary on p. 288.

**Wilde, Earle Irving** (1888-1949), American horticulturist; B.S. Mass. College 1912; M.S. Pennsylvania State College 1917; Dr. phil. Cornell 1929; professor of ornamental horticulture at Pennsylvania State College from 1912. (*E. Wilde*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Bossert p. 436; Hirsch p. 324; MW p. 528; NW p. 61.

BIOFILE: Anon., Amer. men sci. eds. 5-7, 1933-1944; Gard. Chron. Amer. 53(3): 65. 1949 (biogr. sketch, portr.).

**17.627.** *Studies of the genus Delphinium* ... Ithaca, New York ... 1931. Oct. (*Stud. Delphinium*).
*Publ.*: Apr 1931, p. [1]-107. *Copies*: B, BR, G, HH, NY. – Issued as Bull. 519, Cornell Univ. Agr. Exp. Sta.

**Wilde, Julius** (1864-1947), German (Rhenish Palatinate) self-taught botanist, dendrologist and conservationist; high school teacher at Neustadt a.d. H. (*J. Wilde*).

HERBARIUM and TYPES: Unknown.

BIOFILE: Anon., Das grosse Pfalzbuch ed. 2. 477. 1960.

**17.628.** *Die Pflanzennamen* im Sprachschatze der Pfälzer, ihre Herkunft, Entwicklung und Anwendung ... Neustadt an der Haardt (Verlag: Pfälzischer Volksbildungsverlag, ...) [1923]. Oct. (*Pflanzennamen*).
*Publ.*: Mar 1923 (p. xv: Jan 1923; Nat. Nov. Apr 1923), p. [i]-xvi, [1]-303. *Copy*: G.

**17.629.** *Die Färberpflanzen der Bayerischen Rheinpfalz* in der Zeit von 800-1800 ... [aus den Mitteilungen des Pfälzischen Vereins für Naturkunde Pollichia ... 1930]. Oct.
*Publ.*: 1930, cover-t.p., p. [1]-52, 14 figs. on h.t. plates. *Copy*: U. – Reprinted and to be cited from Mitt. Pfälz. Ver. Naturk. Pollichia ser. 2. 3: 149-200. 1930.

**17.630.** *Kulturgeschichte der rheinpfälzischen Baumwelt* und ihrer Naturdenkmale ... Kaiserslautern (Druck und Verlag: Pfälzische Presse ...) 1936. Oct. (*Kulturgesch. rheinpf. Baumw.*).
*Publ.*: 1936 (p. xi: summer 1936), p. [i]-xi, [1]-550, [551, cont.]. *Copy*: U.

**Wilder, Gerrit Parmile** (1863-1935), American horticulturist; superintendent Kahului Ry. Co. Maui, Hawaii 1884-1896, president 1896-1899; id. Estate S.G. Wilder Ltd. 1898, from then on retired from active business and devoting himself to horticulture; associate B.P. Bishop Museum Honolulu from 1924. (*Wilder*).

HERBARIUM and TYPES: BISH. – Further material at DPU.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 495; BL 1: 110, 127, 324; Tucker 3: 335.

BIOFILE: Anon., Science ser. 2. 82: 410. 1935 (obit. note, d. 29 Sep 1935).
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Swezey, O.H. & E.M. Ehrhorn, Proc. Hawaii. Entom. Soc. 9: 189-190. 1936 (obit.).

**17.631.** *Fruits of the Hawaiian Islands* ... in three volumes vol. I. ... Honolulu (published by The Hawaiian Gazette Co., Ltd.) 1907. Oct. (*Fruits Haw. Isl.*).
*Publ.*: 1907, p. [1]-77, *pl. 1-36* in text. *Copy*: HH. – Volumes 2 and 3 not published.
*Revised ed.*: Dec 1911, p. [1]-247, *pl. 1-121* in text. *Copies*: HH, NY.

**17.632.** *The breadfruit of Tahiti* ... Honolulu, Hawaii (Published by the [Bernice P. Bishop] Museum) 1928. Oct. (*Breadfr. Tahiti*).
*Publ.*: 1928, p. [1]-83, *pl. 1-39* in text. *Copies*: BR, NY. – Issued as Bernice P. Museum Bull. 50, 1928.
*Facsimile ed.*: 1971, Nendeln: Kraus, ISBN 0-527-02156-3.

**17.633.** *Flora of Rarotonga* ... Honolulu, Hawaii (Published by the [Bernice P. Bishop] Museum) 1931. Oct. (*Fl. Rarotonga*).
*Publ.*: 1931, p. [1]-113, *pl. 1-8. Copies*: BR, G, HH, NY, US. – Issued as Bernice P. Bishop Museum Bull. 86.
*Facsimile ed.*: 1971, Nendeln: Kraus, ISBN 0-527-02192-x.

**17.634.** *The Flora of Makatea* ... Honolulu, Hawaii (Published by the [Bernice P. Bishop] Museum) 1934. Oct. (*Fl. Makatea*).
*Publ.*: 9 Apr 1934, p. [1]-49, *pl. 1-5. Copies*: BR, HH, NY, US. – Issued as Bernice P. Bishop Mus. Bull. 120.
*Facsimile ed.*: 1971, Nendeln: Kraus, ISBN 0-527-02226-8.

**Wildt, Albin** (1845-1927), Moravian mining engineer; studied at Brünn (Brno) and Leoben; with mines in Stanz (Steiermark), from 1868 with the Austrian railroads, from 1869-1882 as such in Roschitza and Quina in the Banat; in Kladno 1882-1889; from 1889-1892 in Oravica, Banat; with various mines in Zöptau, Keltschau and Gaya from 1892-1901; in retirement living in Brünn. (*A. Wildt*).

HERBARIUM and TYPES: BRNM, BRNU.

BIBLIOGRAPHY and BIOGRAPHY: DTS 6(4): 208; Futak-Domin p. 657-658; Klásterský p. 204 (b. 20 Nov 1845, d. 8 Mar 1927); Tucker 1: 746.

BIOFILE: Hruby, J., Ver. naturf. Ver. Brünn 61(S.B.): x-xiii. 1927-1928 (obit., b. 22 Nov 1845, list publ.).
Kouřimský, J., Vlastiv. Sborn. Vysočiny 2: 30-31. 1958.
Podpěra, J., Květena Moravy 1: 397. 1924.
Skyva, F., Přívoda [Praha] 1938: 9.
Smejkal, M., Vlastiv. Sborn. Vysociny 2: 18. 1958.

**17.635.** *Aus der Flora von Kladno* und dessen Umgebung ... Separatabdruck aus "Lotos" ... 1884. Oct.
*Publ.*: 1884, p. [1]-21. *Copy*: G. – Reprinted and to be cited from Lotos 33: 45-65. 1884.
*Continuation*: Lotos 34: 65-80. 1885, 35: 1-2. 1887.

**17.636.** *Botanisches Exkursionsbuch* für die Umgebung von *Brünn*. Geordnet nach dem neuen, natürlichen Pflanzensystem Wettstein's mit einem Schlüssel zur sicheren und raschen Bestimmung der hier vorkommenden Gefässpflanzen, ... Brünn (Druck und Verlag der k.u.k. Hofbuchhandlung Carl Winiker) 1910. Oct. (*Bot. Exkurs.-Buch Brünn*).
*Publ.*: Nov-Dec 1910 (p. vi: Oct 1910; ÖbZ for Nov-Dec 1910), p. [i*], [i]-viii, [1]-207. *Copy*: HH.

**Wiley, Farida Anna** (1887-?), American naturalist; to New York City 1917; with the American Museum of Natural History from 1923, director of field and laboratory courses in natural science. (*Wiley*).

HERBARIUM and TYPES: Unknown. – Some material (musci) in DPU. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 495 (b. 23 Mai 1887); Lenley p. 435.

**17.637.** *Ferns of northeastern United States* illustrations and descriptions of all known species in the New England and Middle Atlantic States a pocket manual for the amateur with a new idea in aids for fern identification ... [American Museum of Natural History ... 1936]. (*Ferns northeast. U.S.*).
*Ed.* [*1*]: 1936, p. [1]-93, [94-98, index]. *Copies*: HH, NY.
*Ed.* [*2*]: 1948 (p. 1: Mai 1948), p. [i-iv], [1]-108. *Copy*: NY.
*Facsimile ed.* (*of ed. 2*): 1973, Dover, New York. ISBN 0-486-22946-7.
*Ref.*: Anon., Fern J. 26: 99-101. 29 Oct 1936 (rev.).

**Wilhelm, Gottlieb Tobias** (1758-1811), German (Bavarian) clergyman and naturalist in Augsburg. (*G. Wilh.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2322; NI 2152 (b. 17 Oct 1758, d. 12 Dec 1811); PR 10272, ed. 1: 11247; Rehder 1: 93.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 257: 709. 1965; Cat. gén. livr. Bibl. natl. 223: 773. 1975.

**17.638.** *Unterhaltungen aus der Naturgeschichte ... Des Pflanzenreichs* Erster [-10$^{ter}$] Theil [Band] Augsburg (in der Martin Engelbrechtschen Kunsthandlung) 1810 [-1821]. †. Oct. (in 4-s). (*Unterh. Naturgesch. Pflanzenr.*).
*Publ.*: 1810-1821, 10 vols. constitutung the botanical series in *Unterhaltungen* (in all 25 vols. with 1628 plates) of which vols. 16-25 treat the Pflanzenreich, separately numbered 1-10; vols. 26 and 27 remained unpublished; a special volume on *Sierpflanzen* (ornamental plants) was planned but remained also unpublished (NI). The special t.p.'s *Beschreibung der Holzpflanzen* and *Anwendung Gräser*, mentioned by NI were not seen by us. *Copies* (1-10): MO, NY, USDA. – The *614* plates are (mostly coloured)

copper engravings by G.T. Wilhelm's brother Paul Martin Wilhelm and others. The frontisp. portrait (to vol. 1) of G.T. Wilhelm is by P.I. Laminit.
*1*: 1810, portr., p. [i-xix], [1]-573, *pl. 1-58.*
*2*: 1810, p. [i], [1]-558, *pl. 1-66.*
*3*: 1811, p. [i-vi], [1]-732, *pl. 1-68.*
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*6*: 1814, p. [i-x], [1]-740, [741-814, index], *pl. 1-62.*
*7*: 1818, p. [i-x], [1]-440, [441-452, index], *pl. 1-52* (all copies seen by us have 52 pl.; NI mentions 60 pl.).
*8*: 1820, p. [i-x], [1]-512, [513-540 indexes], *pl. 1-60.* Has an extra t.p.: *Beschreibung Anwendung und Abbildung der* vorzüglichsten gegenwärtig gebräuchlichen *Arzneypflanzen*, in zwei Bändern; ... Erster Band. Augsburg (id.) 1820.
*9*: 1820, p. [i-vi], [1]-384, [385-424, indexes], *pl. 1-46.* Has an extra t.p. as vol. 8: *Beschreibung ... Arzneypflanzen ...* Zweiter Band. Augsburg (id.) 1820.
*10*: 1821, p. [i-vi], [1]-748, [749-780, indexes], *pl. 1-66.*

**Wilhelm, Karl** [Carl] [**Adolf**] (1848-1933), Moravian-born Austrian botanist; Dr. phil. Strassburg 1877; assistant at the forestry institute München until 1881; "Privat-Dozent" at the k.k. Hochschule für Bodenkultur Wien 1881, extraordinary (1889) and ordinary professor of botany (Naturgeschichte der Forstgewächse) (1896) ib. until 1920. (*K. Wilh.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 496 ("Carl Adolf"); Biol.-Dokum. 19: 10047-10048; BM 5: 2322; CSP 12: 784, 19: 621; DTS 1: 327; Herder p. 126, 246; Hirsch p. 324; Hortus 3: 1207; Jackson p. 82, 169; LS 3171, 28862-28863; Morren ed. 10, p. 30; REG 5: 922; Stevenson p. 1282; TL-1/495; TL-2/2624; Tucker 1: 746, 3: 335.

BIOFILE: Anon., Bot. Centralbl. 39: 63. 1889 (e.o. prof. Wien), 60: 95. 1894 (titular ordinary professor of botany; remains de facto extraordinary professor), 57: 192. 1896 (final appointment ordinary professor); Bot. Jahrb. 11 (Beibl. 24): 2. 1889 (so far Docent, now e.o. professor at Hochsch. Bodenkultur Wien), 11 (Beibl. 25): 1809 (id.), 22 (Beibl. 55): 11 (Ordinarius Wien); Hedwigia 35: (127). 1896 (app. Wien), 74: (140). 1934 (d. 26 Sep 1933); Nat. Nov. 3: 63. 1881 (so far asst. forstbot. Inst. München, now habil. Wien), 16: 508. 1894 (title of ord. prof. bot. Univ. Wien), 18: 376. 1896 (active ord. prof. bot. Hochschule Bodenkultur Wien); Österr. bot. Z. 39: 280. 1889 (e.o. prof. Wien), 46: 39 (contradicts erroneous death notice in some journals; refers to death of his brother), 303 (ord. prof. bot., Wien). 1846, 76: 168. 1927 (golden jubilee doctorate), 83: 80. 1934 (d. 26 Sep 1933).
Degener, H.A.L., ed., Wer ist's ed. 4. 1552. 1909, ed. 5. 1610. 1911, ed. 6. 1773. 1912, ed. 8. 1697. 1922, ed. 9. 1698. 1928 (b. 15 Nov 1848).
Wittrock, V.B., Acta Horti Berg. 3(2): 87, *pl. 23.* 1903.

COMPOSITE WORKS: (1) With Gustav Hempel (1842-1904), *Bäume Sträuch. Wald.* 1889-1900, TL-2/2624.
(2) *Der innere Bau des Holzes* und die wichtigsten Nutzhölzer, nach äusseren Merkmalen geordnet; reprinted from P. Krais, ed., *Gewerbliche Materialenkunde*, I. *Die Hölzer*, Stuttgart, 1910.

**17.639.** *Beiträge zur Kenntniss der Pilzgattung Aspergillus.* Inaugural-Dissertation, der mathematischen und naturwissenschaftlichen Facultät der Universität Strassburg zur Erlangung der Doctorwürde vorgelegt von Karl Adolf Wilhelm aus Wien Assistent am botanischen Institut der Universität Strassburg. 28. April 1877. Berlin (Verlag von K. Friedlaender & Sohn) 1877. Oct. (*Beitr. Kenntn. Aspergillus*).
*Publ.*: 28 Apr 1877, p. [1]-70. *Copies*: BR, FI, H, MICH, NY.

**17.640.** *Beiträge zur Kenntniss des Siebröhrenapparates* dicotyler Pflanzen ... Leipzig (Verlag von Wilhelm Engelmann) 1880. Oct. (*Beitr. Siebröhr.-Appar.*).

*Publ.*: Mar 1880 (p. viii: Jan 1880, prospectus Feb 1880; Bot. Zeit. 23 Apr 1880), cover, [3 p. prospectus Bot. Jahrb. to appear from Apr 1880 onward], [i]-viii, [1]-90, [91, cont.], [92, err.], *pl. 1-9* (uncol., auth.). *Copies*: HH, PH.

**17.641.** *Kleiner Bilder-Atlas zur Forstbotanik.* Textabbildungen aus dem Werke Die Bäume und Sträucher des Waldes von G. Hempel und K. Wilhelm für Studierende und Waldfreunde zusammengestellt und mit kurzen Anmerkungen versehen von Karl Wilhelm ... Wien (Verlag von Ed. Hölzel) 1907. Oct. (*Kl. Bild.-Atl. Forstbot.*).
*Publ.*: 1907 (p. ii: early 1907; ÖbZ for Jan-Feb 1907; Nat. Nov. Mar(1, 2) 1907), p. [i*], [i]-iv, [1]-167. *Copies*: B, LC, M, NSUB.

**17.642.** *Die Samenpflanzen* (Blütenpflanzen, Phanerogamen). Systematische Übersicht ihrer Familien und wichtigeren Gattungen und Arten mit besonderer Berücksichtigung der für Land- und Forstwirtschaft, Technik und Arzneikunde in Betracht kommenden Gewächse ... Mit einem Anhange, enthaltend eine Übersicht der wichtigsten kryptogamen Nutzpflanzen. Wien und Leipzig (Franz Deuticke) 1910. Oct. (*Samenpflanzen*).
*Publ.*: Oct 1910 (p. viii: Aug 1910; BR copy supplied 30 Nov 1910; Bot. Centralbl. 17 Jan 1911; AbZ Mar 1911; ÖbZ for Oct 1910; Nat. Nov. Dec(1) 1910), p. [i]-xvi, [1]-151. *Copies*: BR, NY, PH, USDA.

**17.643.** *Schlüssel zur Bestimmen einheimischer Hölzer* nach äusseren Merkmalen ... Wien (Druck und Verlag von Carl Gerold's Sohn) 1925. Oct. (*Schlüss. einheim. Hölz.*).
*Publ.*: 1925 (Nat. Nov. Sep 1925; ÖbZ for Jun-Sep 1925), p. [i-ii], [1]-24. *Copy*: HH.

**Wilhelm, Rudolph** (1857-?), German (West-Prussian) architect and botanist; studied at Berlin, München and Königsberg; Dr. phil. Königsberg 1885. (*R. Wilh.*).

HERBARIUM and TYPES: Unknown.

**17.644.** *Über das Vorkommen von Spaltöffnungen auf den Karpellen.* Inaugural-Dissertation zur Erlangung der Doktorwürde der philosophischen Fakultät der Albertus-Universität zu Königsberg i. Pr. vorgelegt und mit den beigefügten Thesen Samstag, den 4. Juli 1885, Mittags 12 Uhr, öffentlich verteidigt von Rudolph Wilhelm aus Neu-Münsterberg in Westpr. ... Königsberg i. Pr. (Hartungsche Buchdruckerei) [1885]. Oct. (*Spaltöff. Karpell.*).
*Publ.*: 4 Jul 1885, p. [i, iii], [1]-77, *pl. 1-7*, [1, theses], [2, vita]. *Copies*: B, B-S.

**Wilke, Fritz [Wilhelm]** (1888-x), German (Prussian/Westphalian) botanist; studied natural sciences at Jena, Berlin and Halle; Dr. phil. Halle 1913. (*Wilke*).

HERBARIUM and TYPES: Unknown.

NOTE: We have no information on Hermann Wilke (from Königsberg, Preussen), author of *Die Phylogenie der Rhodophyceae*, Leipzig (Akademische Verlagsgesellschaft ...) 1929, cover-t.p., p. [1]-85, repr. from Bot. Arch. 26(1/2). 1929, and *Ein auf die Auxiliarzellen begründetes Florideen-System*, id. 24(3-4): [415]-423. 1929. *Copies* of reprints at B.

**17.645.** *Beiträge zur Kenntniss der Gattung Mesembrianthemum.* Inaugural-Dissertation zur Erlangung der Doktorwürde der Hohen Philosophischen Fakultät der Vereinigten Friedrichs-Universität Halle-Wittenberg vorgelegt von Fritz Wilke aus Hagen in Westfalen ... Halle (Saale) (Buchdruckerei Hohmann) 1913. Oct. (*Beitr. Kenntn. Mesembrianthemum*).
*Publ.*: 1913 (oral exam. 12 Feb 1913; Harvard copy rd. 24 Nov 1913), p. [1]-47, [48, note], *1 pl.*, [49, expl. pl.], [51, vita]. *Copy*: HH.

**Wilkes, Charles** (1798-1877), American naval officer and explorer; in the merchant navy 1815-1818, in the U.S. navy as midshipman 1818, lieutenant 1826, surveyed Narragansett Bay 1832-1833; in charge of the Washington Depot of Charts and Instruments 1833; in command of the *Porpoise* in the survey of St. George's Bank and of the Savannah River; commander of the U.S. Exploring Expedition 1838-1842, from 1843-

1861 on special service in charge of the publication of the results of the Expedition; in command of the *San Jacinto* 1861 of the James River flotilla and the Potomac flotilla 1862; on retirement as captain 1862, as commander 1863, as rear-admiral 1866. (*Wilkes*).

HERBARIUM and TYPES: Almost all collections made by the U.S. Exploring Expedition 1838-1842 are at the Smithsonian Institution of Washington. The plant collections made by the botanists William Rich, Charles Pickering and William Dunlop Brackenridge (probably some 50.000 specimens) are at US (dupl. GH) (see e.g. Bartlett (1940), p. 678-679). – Further material at BPI, FH (orig. diatoms J.W. Bailey), K, LE, MO, NY, P, PH, W. – *Manuscript* autobiography: LC (publ. 1978). – *Letters* (to botanists): GH (A. Gray), G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 626; Barnhart 3: 496 (b. 3 Apr 1798, d. 8 Feb 1877); BM 5: 2322, 8: 1434; Bossert p. 436; DAB 20: 216-217 (biogr. refs.); DSB 6: 369; Ewan ed. 1: 281, 283, 337; Herder p. 63; Jackson p. 224, 404; Lasègue p. 388-390; Lenley p. 472 (letter to J. Torrey); ME 2: 650-673, 3: 678; NI 2153, 3: 69; PR 10674; SIA see index; SK 1: 575-577; TL-1/434; TL-2/239, 697-698, 2129, 13.402, 13.407 and see indexes; Tucker 1: 746.

BIOFILE: Alden, R.H. & J.D. Ifft, Early naturalists in the Far West, Occ. Pap. Calif. Acad. Sci. 20, 1943, p. 49-54 (on Expl. Exped. in Calif.).
Andrist, R.K., Amer. Heritage 17: 61-63, 92-103, portr. 1966 ("Ice ahead").
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Wilkes, Ch., Autobiography of rear admiral Charles Wilkes U.S. Navy 1798-1877, ed. W.J. Morgan et al., Washington 1978, xxii, 944 p. (portr., bibl.).

HANDWRITING: On endpapers of Ch. Wilkes, Autobiography, 1978, see above.

EPONYMY: *Wilkesia* A. Gray (1852).

**17.646.** *Narrative of the United States Exploring Expedition.* During the years 1838, 1839, 1840, 1841, 1842, ... Philadelphia (Lea & Blanchard) 1845. Qu. 5 vols., atlas. (*Narr. U.S. Expl. Exped.*).
*1*: 1845 (p. xxiii: Nov 1844), p. [i]-lx, [1]-434, *8 pl.*, map.
*2*: 1845, p. [i]-xv, [1]-476, *14 pl.*, 3 maps.
*3*: 1845, p. [i]-xv, [1]-438, *12 pl.*
*4*: 1845, p. [i]-xvi, [1]-539, *15 pl.*, map.
*5*: 1845, p. [i]-xv, [1]-558, *15 pl.*, 4 maps.
*Copies*: HH, MO, NY.
*Condensed ed.* 1852, London (Ingram, Cooke, and Co., ...) Oct. *Copy*: US.
*1*: portr., p. [i]-x, [xi], [1]-318.
*2*: [i*], frontisp., p. [i]-xii, [1]-326.
*Synopsis*: 1842, *Synopsis of the Cruise of the U.S. Exploring Expedition*, ... Washington 1842, 56 p.
*Facsimile ed.*: 1970, Boston (Gregg Pr.), 5 vols., ISBN 0-8398-2169-7.

**17.647.** *United States Exploring Expedition.* During the years 1838, 1839, 1840, 1841, 1842. Under the Command of Charles Wilkes, U.S.N., ... Botany in vols. 15, 16, 17, [18]; Geographical distribution of animals and plants in vol. 1-9. Philadelphia 1854-1876, various formats. (*U.S. Expl. Exped.*).
*Publ.*: Treated under the authors of botanical accounts (see Stafleu (1972) for details in the facsimile edition of these volumes).
*15. Botany, Phanerogamia*, by Asa Gray 1854, 1856, see TL-2/2129, 2130.
*16. Botany, Cryptogamia, Filices*, by William Dunlop Brackenridge, 1854, 1855, see TL-2/697, 698.
*17. Botany, Cryptogamia, Musci*, by William S. Sullivant, see TL-2/13.407; *Lichens*, by Edward Tuckerman, q.v., *Algae*, by J.W. Bailey and W.H. Harvey 1862, see TL-2/239, *Fungi*, by M.A. Curtis and M.J. Berkeley 1862, see TL-2/p. 192. *Phanerogamia of Pacific North America*, by John Torrey, Philadelphia 1874. See under J. Torrey.
*18. Botany, Phanerogamia*, part 2, by Asa Gray, never printed; manuscript at GH.
*19. Geographical distribution of animals and plants*, by Charles Pickering, TL-2/7912.

**Wilkie, David** (x-1961), British horticulturist; assistant curator, Royal Botanical Garden, Edinburgh. (*Wilkie*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Desmond p. 660; MW p. 528.

BIOFILE: Anon., Alp. Gard. Soc. Quart. Bull. 29(1): 132. 1961 (obit. not.).

Verdoorn, F., ed., Chron. bot. 3: 159. 1937, 4: 2, 185. 1938.

**17.648.** *Gentians* ... London (Country Life Limited), New York (Charles Scribner's Sons) [1936]. Oct. (*Gentians*).
*Ed.* [*1*]: 1936 (p. viii: Sep 1935), p. [i-ii], frontisp., [iii]-xii, [1]-187, [188, colo.]. *Copies*: G, HH, NY.
*Ed.* [*2*]: 1950, London (Country Life Limited ...) [1950]. Oct., p. [1-2], frontisp., [3]-255. *Copies*: BR, HH, NY.

**Wilkinson, Caroline Catherine,** Lady, née Lucas (1822-1881), British amateur botanist; married Sir Gardner Wilkinson 1856. (*Wilkinson*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 496; BM 5: 2323; Desmond p. 660 (b. 10 Mai 1822, d. 2 Oct 1881); Jackson p. 215; PR 10273; Rehder 1: 511.

BIOFILE: Anon., J. Bot. 14: 94. 1876 (plans to publ. ills. of desert plants from Egypt collected by her husband; origs. at BM), 18: 224. 1880 (continues this work); J. Bot. 20: 159-160. 1882 (obit. not.).

EPONYMY: *Wilkinsonia* F. v. Mueller (1879) was named for C.S. Wilkinson, Australian geologist of the 19th century.

**17.649.** *Weeds and wild flowers*: their uses, legends, and literature ... London (John Van Voorst, ...) 1858. Oct. (*Weeds wild fl.*).
*Publ.*: 1858, frontisp., p. [i]-x, [1]-421. *12 col. pl. Copy*: LIV (inf. J. Edmondson). – "It is not the book to do healthy botanical work" London Athenaeum 1858(2): 682.
*Ref.*: Anon., Bonplandia 8: 58-59. 1860 (rev.).

**Willdenow, Carl Ludwig** (1765-1812), German (Berlin) botanist; studied medicine at the University of Halle 1785-1789; Dr. med. 1789; in charge of the family pharmacy "Apotheke Unter den Linden" 1790-1798; professor of natural history at the Berlin Collegium medico-chirurgicum 1798; director of the Berlin Botanical Garden 1801; Botanist at the Academy of Sciences and public teacher of botany 1801; professor of botany at the newly founded University of Berlin 1810. (*Willd.*).

HERBARIUM and TYPES: B-Willd. (extant; available on IDC microfiche no. 7440). – The herbarium is kept separately; it was acquired by B in 1818. For a list of the collectors in the herbarium see Urban p. 412-414, for further information see P. Hiepko (1972) in the *Alphabetical index* accompanying the Herbarium Willdenow microfiche. An important part of the herbarium is the set of 3360 specimens of Humboldt and Bonpland with detailed original labels. – Other material in BP, C, FI, G-DC, H, HAL, LD, LE, LINN, M, OXF, PR, UPS (Thunb.). – *Letters* to J. Banks in BM, to J.E. Smith in LINN; other letters at G, Holl. Maatsch. Wet. (Haarlem), HU, JE-UB, UPS-UB, Goethe's Autogr. Samml. Weimar (1820-1821).

BIBLIOGRAPHY and BIOGRAPHY: ADB 43: 252-254 (C. König), AG 2(1): 628, 722, 3: 293, 4: 571, 5(2): 79; Ainsworth p. 65, 312, 313, 348; Backer p. 626; Barnhart 3: 497 (b. 22 Aug 1765, d. 10 Jul 1812); BM 5: 2323-2324, 8: 1435; Bossert p. 437; Bret. p. 274; Clokie p. 265; CSP 6: 372-374; Dawson p. 872; Dryander 3: see index vol. 5; DSB 14: 386-388. 1976 (J.J. Bylebyl); DTS 1: 327-328; DU 332, 333; Frank 3 (Anh.): 113-114; GF p. 81; GR p. 54-55, *pl.* [*17*], cat. p. 73; Hawksworth p. 186; Hegi 6(2): 1076; Herder p. 485 [index]; Hortus 3: 1207; IF p. 737-738; IH 1 (ed. 2): 23, (ed. 3): 26, (ed. 6): 366, (ed. 7): 346; Jackson see index; KR p. 765; Krempelh. 2: 43; Langman p. 804-805; Lasègue p. 21, 320, 331, 354, 444; Lenley p. 435; LS 10072, 28931-28937, 40603; Maiwald p. 62, 63, 93, 152, 215; ME 3: 362; Moebius p. 128, 458 [index]; MW p. 528-529; NI 2154-2159 and see indexes; Plesch p. 460; PR 10274-10286 and see index, ed. 1: 11252-11265; Rehder 5: 922-923; Saccardo 1: 174, 2:114; SBC p. 135; SK 4: cl, clxi, ccxix; SO see index; Sotheby 812-814; Stevenson p. 1262; TL-1/see index; TL-2/see indexes; Tucker 1:

746; Urban-Berl. p. 270, 410, 412-415; Zander ed. 10, p. 733, ed. 11, p. 836; Zep.-Tim. p. 116.

BIOFILE: Amoreux, Mém. Soc. Linn. Paris 1: 726-727. 1822 (on letter to Gouan and on herb.).

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Nees von Esenbeck, C.G., Flora 2: 579-580. 1819 (on B-Willd.).
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(3) Editor, G.A. Honckeny, *Synopsis plantarum Germaniae*, 2 vols., Berlin 1792-1793. TL-2/2962.
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(5) Editor, translator and author of notes, J. Bolton, *Geschichte der merckwürdigsten Pilze* 1-3, 1795-1799. See TL-2/624.
(6) Preface to Johann Heinrich Sack, *Deutschlands wilden Gewächse* 1. Theils. 1. Bd. Berlin 1804, reprinted Bot. Zeit., Regensb. 3(13): 193-198. 1804.
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(8) Preface to J.F. Rebentisch, *Prodromus florae neomarchicae* ... Berlin 1804, TL-2/8718, see also Bot. Zeit. (Regensburg) 4(7): 97-108. 1805; H.A. Schrader, Neu. J. Bot. 1(1): 143-149. 1806.
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NOTE: For a detailed treatment of Willdenow see Eckardt (1965), providing a biographical sketch, portr., curr. vit., primary sources, bibliography of 73 smaller publications, reviews, announcements of his publications, additions to PR, composite works, indexes to Willd. *Sp. Pl.*, biographies and bibliographies, portraits and lists of studies on W.'s works and herbarium. Major bibliographical and biographical source for Willdenow.

HANDWRITING: Candollea 34: 205-206. 1979; Veröff. Int. Ges. Gesch. Pharmacie ser. 2. 40: 79. 1973; Monogr. biol. Canar. 4: autogr. no. 10, 1973; Webbia 32(1): 15. 1977.

MEDAL: A cast-iron medal figuring Willdenow was designed and manufactured in 1811 by Leonhard Posch (model designed 1809). A single copy of this 1811 original is known; 10 [?] copies of it in bronze were made in November 1967 by the Bildgiesserei Wilhelm Füssel, Berlin. The front part with Willdenow's likeness was used again for a solid bronze Willdenow medal which was given to persons and institutions which had actively contributed to the restoration of the Berlin Botanical Museum and Herbarium after World War II. The copies were handed out on the occasion of the tercentenary of the Botanical Garden in 1979. – For a review and reproduction of copper engraved portraits of Willdenow see W.H. Hein (1963).

EPONYMY: *Wildenowia* [sic] Thunberg (1788); *Willdenovia* J.F. Gmelin (1791); *Willdenowa* Cavanilles (1791).

**17.650.** Caroli Ludovici Willdenow ... *Florae berolinensis prodromus* secundum systema Linneanum ab illustr. viro ac Eq. C.P. Thunbergio emendatum conscriptus ... Berolini [Berlin] (Impensis Wilhelmi Viewegii) 1787. Oct. (*Fl. berol. prodr.*).
*Publ.*: 1787 (reviewed as a whole by GGA on 13 October 1787. A review in Obs. Phys. Hist. Nat. Jan 1789 could be interpreted as if the book came out in parts until 1788; the GGA review excludes this posibility), p. [i]-xvi, [1]-439, [440, err.], *pl. 1-7* (uncol. copp. F.F. Beyel). *Copies*: BR, G, HH, MO, NY, Stevenson, USDA; IDC 496.
*Ref.*: Jahn, E., Ver. Bot. Ver. Brandenburg 63: 104. 1922.

**17.651.** *Dissertatio* inauguralis botanico-medica *de Achilleis* cum supplemento generis Tanaceti. Quam consensu gratiosae Facultatis medicae Almae Fridericianae praeside viro magnifico ... D. Philipp. Frider. Meckel ... pro summis in medicina honoribus ac privilegiis rite capessendis palam defendet h.l.q.s. d. xxvi. Febr. mdcclxxxix auctor Carolus Ludovicus Willdenow berolinas ... Halae Magdeburgicae [Halle] (typis Hendelianis) [1789]. Oct. (*Diss. de Achill.*).
*Thesis issue*: 26 Feb 1789, p. [i]-xii, [1*, theses], [1]-59, [60, expl. pl.], *pl. 1-2* (uncol. copp. Haubt). *Copies*: G, HH.
*Commercial issue*: 1789 (26 Feb or later), p. [i]-xii, [1]-59, [60, expl. pl.], *pl. 1-2* (id.). *Copies*: G, HH, KU, M, USDA. – *Tractatus* botanico-medicus *de Achilleis* cui accedit supplementum generis Tanaceti, ... Halae Magdeburgicae [Halle] (sumtibus Johannis Christiani Hendelii) 1789. Oct. (*Tract. de Achill.*).

**17.652.** *Historia Amaranthorum*, auctore Carolo Ludovico Willdenow, ... Turici [Zürich] (Impensis Ziegleri et fil.) 1790. Fol. (*Hist. Amaranth.*).
*Publ.*: shortly before 28 Mar 1790 (p. viii: 16 Feb 1790; letter sent to W. by P. Usteri in Zürich accompanying a copy of the book 28 Mar 1790 (Manitz 1982); available at Leipziger Messe 1790 (Apr), p. [i-viii], [1]-38, *pl. 1-12* (hand-col. etchings, Schellenberg). *Copies*: BR, MO, U, USDA; IDC 5813.
*Re-issue*: 1798, p. [i-viii], [1]-38, *pl. 1-12* (id.). *Copies*: G, MO. – *Historia Amaranthorum*, ... Turici (Impensis Ziegleri ...), Parisiis (apud Viduam Tilliard et Fil. ...), Londini (apud Henr. Escher ...).
*Ref.*: Manitz, H., Wiss. Z. Fr.-Schill.-Univ. Jena, Math. nat. R. 31(2): 261. 1982 (date). Stafleu, F.A., Taxon 12: 83. 1963.

**17.653.** *Beyträge zur Biographie* des verstorbenen Hofrath und Professor Dr. Johann Gottlieb *Gleditsch* ... Zürich (bey Ziegler und Söhnen) 1790. Oct. (*Beytr. Biogr. Gleditsch*).
*Co-author*: Paul Usteri (1786-1831).
*Publ.*: 1790, frontisp. portr., p. [1]-111. *Copy*: San Diego State Univ. Library. – Contains notes on Gleditsch's system.

**17.654.** Caroli a Linné ... *Philosophia botanica*, in qua explicantur fundamenta botanica. Adjectis figuris aeneis. *Editio tertia* aucta ac emendata cura Caroli Ludovici Willdenow, ... Berolini [Berlin] (Impensis Christiani Friderici Himburgi) 1790. Oct. (*Philos. bot. ed. 3*).

*Authorship*: Even though duly presented as the third edition of C. Linnaeus, *Philos. bot.* (see TL-2/4760), the note "emendata" and the preface indicate that the book was amended to such an extent that it should really be attributed to Willdenow.

*Publ.*: Sep 1790 (p. vi: 19 Mar 1790; W. sent a copy to J. Banks on 28 Sep 1790), portr. Linnaeus, p. [i-viii], [1]-364, *pl. 1-11* (uncol. copp.). *Copies*: BR, HH, M, MO, US, USDA.

**17.655.** *Grundriss der Kräuterkunde* zu Vorlesungen entworfen von Carl Ludwig Willdenow ... Berlin (Bei Haude und Spener) 1792. Oct. (*Grundr. Kräuterk.*).

*Ed.* [*1*]: 1792 (GGA 22 Dec 1792 rev.), p. [i]-xiv, [1]-486, [1, err.], *pl. 1-8* (uncol. copp. Capieux sc.), *9* (col. chart). *Copies*: G, HH, MO, NY.

*Ed. 2*: 1798, p. [i]-vi, [1]-570, *pl. 1-9* (uncol. copp.), *10* (col. chart). *Copies*: G, HH, NY, PH.

*Ed. 2* (*Wien*): 1799, p. [i-vi], [1]-454, [455-476 indexes], *pl. 1-10* (id.). *Copy*: Stevenson.

*Ed. 3*: 1802 (letter W. to van Marum 3 Aug 1802, "has now been published in a very much revised form ..."), p. [i]-iv, [1]-644, *pl. 1-10* (uncol. copp.), *11* (color chart). *Copies*: H, HH, NY, Teyler, U, USDA.

*Ed. 4*: 1805, p. [i-ii], [1]-654, *pl. 1-10* (uncol. copp.), *11* (color chart). *Copies*: HH, NY, Stevenson, USDA (2).

*Ed. 5*: 1810, p. [i-ii], [1]-638, *pl. 1/2, 3/4, 5/6, 7/8, 9/10* (uncol. copp.), *11* (color chart). *Copies*: G, H, HH, NY.

*Ed. 5*[*a*]: 1818, p. [i-ii], [1]-652, [653-654], *pl. 1-10* (uncol. copp.), *11* (color chart). *Copies*: HH, NY. – D. Carl Ludwig Willdenow's ... *Grundriss der Kräuterkunde*, zu Vorlesungen entworfen. Nach der fünften, von dem sel. Hrn. Verfasser verbesserten und vermehrten Auflage, mit Anmerkungen und Zusätzen herausgegeben von J.A. [Josef August] Schultes [1773-1831], ... Wien (Im Verlage bey Aloys Doll) 1818. Oct.

*Ed. 6*: 1821, p. [i]-vi, [1]-711, [712, err.], *pl. 1-10* (uncol. copp.), *11* (color chart). *Copies*: H, MO, NY, USDA. – *Grundriss* ... Willdenow, ... nach dessen Tode neu herausgegeben mit Zusätzen von H.F. Link [Johann Heinrich Friedrich Link (1767-1851), TL-2/3: 65-70]. Sechste vermehrte und verbesserte Auflage ... Berlin (id.) 1821. Oct. On alt. t.p.: same text plus "Erster theoretischer Theil". The *Theile* 2-4 were not published with this 1821 edition but came out 1829-1834, see below under ed. 7 (2-4 attributable to H.F. Link only).

*Ed. 7*: 1831, p. [i]-vii, [viii, err.], [1]-694, *pl. 1-10* (uncol. copp.), *11* (col. chart). *Copies*: G, HH, NY, USDA. – As ed. 6, but "Siebente vermehrte und verbesserte Auflage. Erster (Theoretischer Theil). Berlin (in der Haude und Spenerschen Buchhandlung (S.J. Joseephy)). 1831. Oct.

[*Ed. 7 parts 2-4*]: 1829-1833, are identical with H.F. Link, *Handbuch zur Erkennung der nutzbarsten und am häufigsten vorkommenden Gewächse* Erster-Dritter Theil, treated by us as TL-2/4700. Part 1 of the *Handbuch* is then (on an alt. t.p.) the *Zweiter* (Praktischer) *Theil* of the *Grundriss* (no edition mentioned; at the time of publ. belonging to ed. 6). Part 2 of the *Handbuch* is the *Dritter* (Praktischer Theil) of the Grundriss (no edition mentioned, but ed. 7 Grundriss Erster Theil ed. 7 came out in 1831); Part 3 of the *Handbuch* is the *Vierter* (Praktischer) *Theil* of the *Grundriss* ed. 7. These parts 2-4 are to be attributed to Link.

*Russian translation of Grundriss*: 1819, by J. Reipolsky (n.v.).

*Danish translation of ed. 1*: 1794, p. [i-viii], [1]-400, *pl. 1-8* (uncol. copp.), *9* (color chart). *Copy*: MO. – *Udkast til en Lærebog i Botaniken* ... oversat efter den tydske Udgave, og for forøget med Anmærkninger og et Tillæg om Botanikens Skiæbne i Dannemark ... Kiøbenhavn (Trykt paa C.L. Buchs Forlag ...) 1794. Oct. (Christensen 2: 122). Translation by Hans Steffens (1773-1845). (*Udk. Læreb. Bot.*).

*English translation* [*1*]: 1805, p. [i*-viii*], [i]-iv, [1]-508, *pl. 1-9* (uncol. copp.), *10* (color chart). *Copies*: G, HH, KU, MO, NY, PH, USDA. – *The principles of botany* and of vegetable physiology. Translated from the German of D.C. [sic] Willdenow, ... Edinburgh (printed at the University Press; ...) London (T. Cadell ...) 1805. Oct. (*Princ. bot.*).

*English translation, new edition*: 1811, p. [i*-viii*], [i]-iv, [1]-544, *pl. 1-10* (uncol. copp.), *11* (color chart). *Copies*: HH, MICH, MO, NY. – "A new edition, greatly enlarged by the author". Edinburgh (id.), London (id.) 1811. Oct.

**17.656.** Caroli Ludovici Willdenow M.D. *Phytographia* seu descriptio rariorum minus cognitarum plantarum. Fasciculus primus ... Erlangae [Erlangen] (sumptibus Wolfgangi Walther) 1794. Fol. (*Phytographia*).
*Publ.*: Sep 1794 (W. sent copies to J.E. Smith and J. Banks on 27 Sep 1794; GGA rev. 5 Feb 1795), p. [i-iv], [1]-15, *pl. 1-10* (uncol. copp. Stahlknecht). *Copies*: NY; IDC 353. – Review: P. Usteri, Neu. Ann. Bot. 8: 44-53. 1795.

**17.657.** *Berlinische Baumzucht*, oder Beschreibung der in den Gärten um Berlin, im Freien ausdauernden Bäume und Sträucher, für Gartenliebhaber und Freunde der Botanik, von Carl Ludwig Willdenow ... Berlin (bei G.C. Nauk) 1796. Oct. (*Berlin. Baumz.*).
*Ed [1]*: 1796 (t.p.; W. sent a copy to J.E. Smith on 24 Jan 1797), p. [i]-xxxii, [1]-452, *pl. 1-7* (uncol. copp.; engr. F. Frick). *Copies*: BR, G, HH, MO, USDA.
*Ed. 2*: Jan-Apr 1811 (p. vi: 18 Aug 1810; available at Jubilate Messe 1811: third Sunday after Easter), p. [i*], engr. t.p., p. [i]-xxii, [1]-586, *pl. 1-7* (id.). *Copies*: G, M, MO, NY, USDA. – Alternative title (on engraved t.p.): *Die wilde Baumzucht*, oder Beschreibung der im Königlichen botan. Garten etc. by Berlin im Freyen ausdauernden Bäume und Sträucher, ... Zweite sehr vermehrte Auflage ... Berlin (bey G.C. Nauk) 1811. Oct. – The regular t.p. of the copy has a bottom line "Ausgabe für Unbegüterte" ["... for the poor"].

**17.658.** Caroli a Linné *Species plantarum* exhibente plantas rite cognitas ad genera relatas cum differentiis specificis, nominibus trivialibus synonymis selectis, locis natalibus secundum systema sexuale digestas. Editio quarta, post Reichardianum quinta adjectis vegetabilibus hucusque cognitis curante Carolo Ludovico Willdenow ... Berolini [Berlin] (impensis G.C. Nauk) 1797-1825, 6 vols. Oct. (*Sp. pl.*).
*Authorship*: vols. 1-5(1) to be attributed to Willdenow and to be cited (in abbreviated form) as *Willd.*, *Sp. pl.* Volume 5(2) is by C.F. Schwägrichen and vol. 6(1, 2) by H.F. Link, to be cited as *Schwägr. in Willd.*, *Sp. pl.* and *Link in Willd.*, *Sp. pl.*
*1(1)*: Jun 1797 (p. x: 17 Apr 1797; W. sent a copy to J. Banks on 24 Jun 1797), p. [i]-xxxi, [1]-495. – Motto on t.p. by Freyherr von der Lühe.
*1(2)*: Jul 1798 (W. sent a copy to J.E. Smith 18 Aug 1798), p. [497]-1568.
*2(1)*: Mar 1799 (W. sent copies to J. Banks and J.E. Smith on 23 Mar 17~~4~~9), p. [i-iii], [1]-823.
*2(2)*: Dec 1799 (W. sent a copy to J.E. Smith on 24 Dec 1799), p. [833, sic, p. 825-832 not issued]-1340.
*3(1)*: 1800 (publisher's ann. 7 Jan 1801), p. [ii-iii], [1]-847.
*3(2)*: 1-10 Nov 1802, p. [849]-1474.
*3(3)*: Apr-Dec 1803 (t.p. 1803; available from Ostermesse Leipzig Apr 1804; published after A. Michaux, Fl. bor.-amer. 19 Mar 1803), p. [1475]-2409.
*4(1)*: 1805, p. [1]-629.
*4(2)*: Apr 1806 (available Easter 1806, see Allg. teut. Gart. Mag. 3(6): 234. 1806, and F. Ehrendorfer, Plant Syst. Evol. 124: 177. 1975), p. [631]-1157.
*5(1)*: 25-27 Jun 1810 (Fuchs 1962), p. [i]-xxxxx, [1]-542. – Index by J.C. Hendel, p. [i], 543-544, [1-2].
*5(2)*: 1830, p. [i]-xiv, [1]-122. – See TL-2/11.430. – Alt. t.p. *Species muscorum frondosorum* editae a d. Friderico Schwaegrichen ... pars i. – Main t.p. Caroli a Linné *Species* ... cognitis olim curante Carolo Ludwigio Willdenow continuata ad muscos a F. Schwaegrichen, Prof. lips. Tomus 5. P. 2. sectio primo [sectio secunda never issued].
*6(1)*: 1824, p. [i*], [i]-xv, 1-160, 162 [for 161], [162, colo.]. – Caroli a Linné *Species* ... olim curante Carolo Ludovico Willdenow continuata a H.F. Link. Tomus vi. P. i.
*6(2)*: 1825, p. [i*], [i]-vi, 1-128, [i]-xix [index; sometimes bound with 6(1)]. – Caroli .... Tomus vi. P. ii.
*Copies*: B-S, BR, FAS, G, H, HH, MO(2), NY, U, US(3); IDC 403/2.
*Note*: A.G. Dietrich, Sp. pl. 1831-1832, TL-2/1456 carries Willdenow's name in the title; the book, however, is to be credited to A. Dietrich himself.

INDEXES AND ADDITIONS to Willdenow's *Species plantarum*:
Henckel von Donnersmarck, Leo Victor Felix, *Nomenclator botanicus*, Halle a.S. 1803, TL-2/2629. *Continuatio* 1-4, 1805-1812. *Editio altera*, Halle 1821, p. [i]-vi, [vii], [1]-828. *Copies*: MO, NY.

Hendel, Johann Christian, *Index generum* ad Caroli a Linné Species plantarum ... Willdenow editarum ... curante Io. Chr. Hendel. Halle a.S. 1806, TL-2/2632.

Coyte, William Beeston, *Index plantarum*, or an alphabetical arrangement of all the genera and species of plants hitherto described ... London 1807. † (index to volumes 1-3(6)), p. [i-iii], [1]-445, [447].

Lichtenstein, August Gerhard Gottfried, *Index alphabeticus generum botanicorum* quotquot a Willdenovio ... recensentur ... Helmstedt 1814, TL-2/4500.

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Roth, Albrecht Wilhelm, *Erinnerungen und Beiträge* zu der neuen Ausgabe der Specierum plantarum ... Willdenow, *in* Neue Beitr. Bot. 1: 63-238. 2 Mai 1802, TL-2/9631.

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Schultes, Josef August, *Observationes botanicae* ... Innsbruck 1809, TL-2/11.260.

Harriman, Neil A., *An index to the vascular plants of Willdenow's Species plantarum* volumes 1-5(1), 1797-1810, Oshkosh, Wisconsin 1979.

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*Ref.*: Anon., Bot. Zeit., Regensburg 1(1): 8-16. 1802, 1(2): 17-32. 1802.

Dawson, W.R., Smith Papers, Cat. mss. Linn. Soc. 1: 97. 1934; The Banks letters 872. 1958.

Fuchs, H.P., Taxon 11: 126-132. 1962 (on publ. date 5(1)).

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Schubert, B.G., Rhodora 44: 147-150. 1942 (dates vols. 1-3).

**17.659.** Dr. Carl Ludwig Wildenow's [sic] ... und Dr. Joh. Jacob Bernhardi's zwei *botanische Abhandlungen über einige seltene Farrenkräuter* und über Asplenium und einige ihm verwandte Gattungen ... Erfurt (bey Beyer und Maring) 1802. Oct. (*Bot. Abh. Farrenkr.*).

*Common t.p.* (as above): 1802, p. [i].

*Bemerk. Farrenkr.*: 1802 (JGLE 20 Mai-18 Jun 1802), p. [1]-32, *pl. 1-3* (uncol. copp.) D. Carl Ludwig Wildenow's [sic] ... *Bemerkungen über einige seltene Farrenkräuter* ... Erfurt (id.) 1802. (*Bemerk. selt. Farrenkr.*). – Preprinted or reprinted from Abh. Kurf.-Mainz. Akad. Wiss. Erfurt 2(5): 1-32, *pl. 1-3*. 1802.

*Ueber Asplenium*: 1802, p. [1]-18, *1 pl.* (uncol. copp.), *Ueber Asplenium* und einige ihm verwandte Gattungen der Farrenkräuter. Von Joh. Jac. Bernhardi [1774-1850, see TL-2/1: 199-200] ... Erfurt (id.) 1802. (*Asplenium*). Preprinted or reprinted from id. 2(6): 1-18. 1802.

*Copies*: HH, NY.

**17.660.** Dr. Carl Ludwig Willdenow's ... *Anleitung zum Selbststudium der Botanik*, ein Handbuch zu öffentlichen Vorlesungen ... Berlin (bey Ferdinand Oehmigke dem Ältern) 1804. Duod. (*Anleit. Selbststud. Bot.*).

*Ed.* [*1*]: 1804 (p. vi: 12 Aug 1804), frontisp. portr. Willdenow, p. [i]-vi, [1]-666, [1]-12, *pl. 1-4* (col. copp. F. Guimpel). *Copies*: HU, MO, NSUB, NY, UC. – PR 10283 mentions 12 p. expl. plates, not seen by us in the copies at MO, NY, but present in copy UC.

*Ed.* [*1a*]: 1805 (p. iv: 1 Aug 1804), p. [i*], [i]-iv, [1]-308; [zweyte Abtheilung:] [i, h.t.], 309-654, [1]-12, expl. pl., [14, binder], *pl. 1/2, 3, 4* (col. copp.). *Copy*: G. – *Anleitung* ... Botanik. Mit vier ausgemahlten Kupfertafeln. Wien (Gedruckt bey Anton v. Haykul) 1805. Oct.

*Ed. 2*: 1809 (preface 14 Oct 1809), portr., p. [i]-vi, [1]-490, *pl. 1-4* (id.). *Copies*: H-UB, NY, UC. – Zweite vermehrte und verbesserte Auflage, ... Berlin (Bei Ferdinand Oehmigke dem Aeltern) 1809. Oct.

*Dutch transl.*: 1819, p. [i-iii], [1]-568, *pl. 1-11*. *Copies*: HH, NY, UC. – *Handleiding tot de kennis der planten*, gevolgd naar het hoogduitsch van G.L. Willdenow. met platen. Door Mr. Gerard Wttewaall, ... te Amsterdam (by J.C. Sepp en Zoon) 1819. Oct. –

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*Ed. 3*: 1822 (p. viii: Feb 1822), p. [i]-viii, [1]-537, *pl. 1-4*. *Copies*: B, H-UB, HU, Lloyd libr. – "Dritte vermehrte und verbesserte Auflage" von Heinrich Friedrich Link.
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**Wille, Johan Nordal Fischer** (1858-1924), Norwegian botanist, especially phycologist; studied botany and geology at the University of Kristiania (Oslo) 1875, phycology with V.B. Wittrock in Uppsala 1878, plant anatomy and embryology with E. Warming in Copenhagen 1881 and S. Schwendener in Berlin 1882; Regnellian curator at the Stockholm Natural History Museum 1883; Dr. phil. Kristiania 1885; professor of botany at Stockholm University 1886; botany teacher at the Agricultural School in Aas, Norway 1889; professor of botany Univ. Kristiania 1893-1924. (*Wille*).

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**17.697.** *Mitteilungen über einige von C.E. Borchgrevink* auf dem antarctischen Festlande *gesammelte Pflanzen* ... Separatabdruck af "Nyt Mag. f. Naturvidenskab." ... 1902. Oct.
*Publ.*: shortly after 13 Oct 1902 (date of printing; Nat. Nov. Dec(2) 1902), p. [203]-222, *pl. 1-4*. *Copies*: BR, H, US. – Reprinted and to be cited from Nyt Mag. Naturv. 40(3-4): [203]-222, *pl. 1-4*. 1902.
*Autoreferat*: Bot. Centralbl. 90: 706-707. 23 Dec 1902.

**17.698.** *Ueber einige von J. Menyhardt in Südafrika gesammelte Süsswasseralgen* ... Separatabdruck aus der "Oesterreichischen botanischen Zeitschrift", ... 1903. Oct.
*Collector*: Rev. Ladislav ("László") Menyhárth (1849-1897).
*Publ.*: Mar 1903, p. [1]-7. *Copies*: B, FH, NY. – Reprinted and to be cited from Österr. bot. Z. 53: 89-95. 1903.

**17.699.** XX. *Schizophyceen* ... [Nordisches Plankton ... Kiel und Leipzig (Verlag von Lipsius & Tischer) [1903]]. Oct.
*Publ.*: Jul 1903 (in collective work; Nat. Nov. Aug(1) 1903; Bot. Zeit. 16 Sep 1903; Hedwigia 5 Aug 1902), cover, p. xx-1-xx-29. *Copy*: US. – Reprinted and to be cited from K. Brandt-Kiel, ed., Nordisches Plankton 2(xx): 1-29. 1903.

**17.700.** *Die Schizophyceen der Plankton-Expedition* ... Kiel und Leipzig (Verlag von Lipsius & Tischer) 1904. Qu. (*Schizophyc. Plankt.-Exped.*).
*Publ.*: Oct 1904 (date on cover; Nat. Nov. Jan 1905; Bot. Centralbl. 7 Feb 1905; Nat. Nov. Feb(1) 1905), cover-t.p., p. [1]-88. *pl. 1-3*. *Copies*: H, US. – Issued in V. Hensen, Ergebn. Plankt.-Exp. Humboldt-Stift. 4, Mf: 1-88, *pl. 1-3*. 1904.
*Facsimile ed.*: 1977, Verlag von J. Cramer, Lehre. *Copy*: FH.
*Ref.*: Heering, W.C.A., Bot. Centralbl. 99: 346-349. 1905 (rev.).

**17.701.** *Ueber die Gattung Gloionema* Ag. Eine Nomenklaturstudie ... [Sonder-Abdruck aus der Festschrift zu P. Ascherson's siebzigstem Geburtstage. Berlin (Verlag von Gebrüder Borntraeger ...) 1904. Oct.
*Publ.*: 4 Jun 1904 (in Festschrift; ÖbZ for Mai-Jun 1904), p. [439]-450. *Copies*: B, BR, H, NY, US. – Reprinted and to be cited from Festschr. Ascherson [439]-450. 1904.

**17.702.** *Motion au Congrès international de Botanique* deuxième session. Vienne 1905 ... Separataftryk af "Nyt Magazin f. Naturvidenskaberne" B. 42. Kristiania 1904. Oct.
*Co-author*: Veit Brecher Wittrock (1839-1914).
*Publ.*: shortly after 30 Mai 1904 (date of printing), p. [217]-220. *Copies*: FAS, G. – Reprinted and to be cited from Nyt Mag. Naturv. B-42: [217]-220. 1904.

**17.703.** *Om indvandringen af det arktiske Floraelement til Norge* ... Separataftryk af "Nyt Mag. f. Naturvidensk." ... [Christiania] 1905. Oct.
*Publ.*: shortly after 15 Sep 1905 (date of printing; Nat. Nov. Nov(2) 1905), p. [315]-338. *Copy*: B. – Reprinted and to be cited from Nyt mag. f. Naturvidensk. 43(4): [315]-338. 1905.
*German transl.*: Bot. Jahrb. 36 (Beibl. 81): 44-62. 1905, also reprinted, cover, p. [i], [44]-61. *Copy*: NY.

**17.704.** *Über die Schübeler'schen Anschauungen* in betreff der Veränderungen der Pflanzen in nördlichen Breiten ... Sonderabdruck aus dem Biologischen Centralblatt ... 1905. Oct.
*Publ.*: 1 Sep 1905 (in journal; Nat. Nov. Oct 1905), p. [561]-574. *Copy*: B. – Reprinted and to be cited from Biol. Centralbl. 25(17): [561]-574. 1905. – For F. Chr. Schübeler, *Växtlivet i Norge*, 1879, see TL-2/11.212.

**17.705.** *Algologische Untersuchungen* an der Biologischen Station in Drontheim i-vii ... Trondhjem (Aktietrykkeriet) 1906. Oct. (*Algol. Unters.*).
*Publ.*: 1906, p. [1]-38, *1 pl. Copies*: B, BR, FH, H, NY, US. – Issued as K. Norske Vid. Selsk. Skr. 1906(3), and Medd. Trondj. Biol. Stat. 2.

**17.706.** *Über sogenannte Krüppelzapfen* bei Picea excelsa (L.) Link ... Separataftryk af "Nyt Magazin f. Naturvidenskaberne ... 1907. Oct.
*Publ.*: shortly after 23 Oct 1907 (date of printing), p. [373]-387, [388], *pl. 3. Copy*: B. – Reprinted and to be cited from Nyt Mag. Naturvidensk. 45(4): [373]-387, [388], *pl. 3*. 1907.

**17.707.** *Zur Entwicklungsgeschichte der Gattung Oocystis* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1908. [i.e. 1909]. Oct.
*Publ.*: 28 Jan 1909 (in journal; BR copy reprint rd. 3 Mai 1909; Nat. Nov. Jul(2) 1909), p. [812]-822, *pl. 15. Copies*: B, BR, NY, US. – Reprinted and to be cited from Ber. deut. bot. Ges. 26a(10): [812]-822. *pl. 15*. 1909.

**17.708.** *Über Wittrockiella* nov. gen. ... Christiania (A.W. Brøggers Bogtrykkeri) 1909. Oct. (*Wittrockiella*).
*Publ.*: 5 Mai 1909 (offered to Wittrock), p. [1]-21, *pl. 1-4. Copies*: B, BR, G, M, NY, US(2), USDA. – Preprinted or reprinted from Nyt Mag. Naturvid. 47: 209-225. 1909. – Counts as no. 25 of *Algologische Notizen* (see above, 1899).

**17.709.** *Der anatomische Bau bei Himanthalia Loren* (L.) Lyngb. ... Leipzig (Verlag von Gebrüder Borntraeger) 1910.
*Publ.*: Jun 1910 (Nat. Nov. Jul(1) 1910), cover-t.p., p. [495]-538, *pl. 14-15. Copies*: B, NY. – Reprinted and to be cited from Jahrb. wiss. Bot. 47: [495]-538, *pl. 14-15*. 1910.

**17.710.** *Om stammens og bladets bygning hos Myriocarpa cordifolia* Liebm. ... Særtryk af Biologiske Arbejder tilegnede Eug. Warming den 3. November 1911. Oct.
*Publ.*: 3 Nov 1911, cover, p. [265]-279. *Copy*: B. – Reprinted and to be cited from Biol. Arbejd. Warming [265]-279. 1911.

**17.711.** *Om udvikligen af Ulothrix flaccida* Kütz. ... Separattryck ur Svensk Botanisk Tidskrift ... 1912. Oct.
*Publ.*: 28 Oct 1912 (in journal), cover-t.p., p. [447]-458, *pl. 14. Copies*: B, BR, NY, US. – Reprinted and to be cited from Sv. bot. Tidskr. 6(3): [447]-458, *pl. 14*. 1912.

**17.712.** Botanische und zoologische Ergebnisse einer wissenschaftlichen Forschungsreise nach den Samoainseln, dem Neuguinea-Archipel und den Salomonsinseln von März bis

Dezember 1905. *Süszwasseralgen* bearbeitet von Dr. N. Wille (Christiania) ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1904. Qu.
*Publ.*: 1914, cover-t.p., p. [i], [1]-22, *pl. 1-3* with text. *Copies*: FH, NY. – Reprinted and to be cited from Denkschr. Akad. Wiss., Wien, math.-nat. Kl. 91: [1]-22, *pl. 1-3* (id.). 1914. See TL-2/8726 under K. Rechinger, editor and collector for the complete series.
*Preliminary publ.*: Oct 1913, Hedwigia 53: 144-147. – *Neue Süsswasseralgen von den Samoa-Inseln.*

**17.713.** *The flora of Norway and its immigration* ... Reprinted from the Annals of the Missouri Botanical Garden ... 1915. Oct.
*Publ.*: Feb-Apr 1915 (in journal), cover-t.p., p. 59-108. *Copies*: B, G, H, NY. – Reprinted and to be cited from Ann. Missouri Bot. Gard. 2: 59-108. 1915.

**17.714.** *Report on an expedition to Porto Rico* for collecting fresh-water algae ... Reprinted, ... Journal of the New York Botanical Garden ... 1915. Oct.
*Publ.*: Jul 1915, cover-t.p., p. [132]-146. 1915. *Copies*: B, NY. – Reprinted and to be cited from J. New York Bot. Gard. 16: 132-146. 1915.

**17.715.** *Phykoerythrin bei den Myxophyceen* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft, ... 1922. Oct.
*Publ.*: 27 Jul 1922, p. [188]-192. *Copies*: B, BR. – Reprinted and to be cited from Ber. deut. bot. Ges. 40(6): [188]-192. 1922.

**17.716.** Southern Tibet ... *Algen aus Zentralasien* gesammelt von Dr. Sven Hedin bearbeitet von N. Wille ... Stockholm (Litographic Institute of the general staff of the Swedish army) 1922. Qu.
*Publ.*: 1922, cover-t.p., p. [153]-193, [194, 195], *pl. 11*. *Copies*: BR, NY, US. – Reprinted and to be cited from S. Hedin, Southern Tibet 6(3): [153]-[195], *pl. 11*.

**17.717.** *Karplanter og ferskvandsalger* fra ytre Husøy, Ona og Røsholmen paa Nordmør ... Særtryk av Nyt Magazin for Naturvidenskaberne ... 1923. Oct.
*Publ.*: shortly after 19 Oct 1922 (date of printing on verso of p. 89), p. [53]-89, [verso of 89], *pl. 1-2*. *Copies*: B, BR, NY. – Preprinted or reprinted from Nyt Mag. Naturv. 61: 53-89. 1923.

**17.718.** *Süsswasseralgen von der Deutschen Südpolar-Expedition* auf dem Schiff "Gauss" ... [1924]. Qu.
*Publ.*: Oct 1924 (Nat. Nov.), p. [373]-445, *pl. 27-30*. *Copy*: US. – Reprinted and to be cited from Deut. Südpolar-Exp. 8(Bot.)(4): 373-445, *pl. 27-30*. 1924 (not 1928, sic).

**17.719.** *Vorarbeiten zu einer Monographie der Chroococcaceen* ... Oslo (A.W. Brøggers Boktrykkeri A-S) 1925. Oct.
*Editor*: K. Münster Ström (1902-x).
*Publ.*: shortly after 15 Apr 1925 (date on p. 209), cover-t.p., p. [169]-209, *pl. 6-14*. *Copy*: NY. – Reprinted and to be cited from Nyt Mag. Naturvid. 62: 169-209. 1925.

**Willemet, [Pierre] Remi** (1735-1807), French (Lorraine) botanist, pharmacist, professor of natural history at the medical college and director of the botanical garden at Nancy. (*Willemet*).

HERBARIUM and TYPES: NCY. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(1): 559, 5(1): 164; Backer p. 664; Barnhart 3: 497 (b. 13 Sep 1735, d. 21 Jul 1807); BL 2: 174, 732; BM 1: 390, 5: 2325; CSP 6: 374; Dryander 3: 217, 349, 443, 540, 558; Frank 3 (Anh.) 2: 74; GR p. 367; Herder p. 96, 309, 395; Jackson p. 161, 306, 307, 420; LS 28943-28944; PR 1918-1919, 10287-10290, ed. 1: 11268-11272 and see index; Rehder 5: 923; TL-1/1425; TL-2/6669, see H.F. Soyer-Willemet; Tucker 1: 747; Zander ed. 10, p. 733, ed. 11, p. 836.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 257: 963. 1965; Cat. gén. livr. impr. Bibl. natl. 223: 1060-1068. 1975.
Desvaux, N.A., J. Bot. 2: 125. 1808.
Haldat, Mag. encycl. 5: 113-133. 1807 (obit.).
Hoefer, Nouv. biogr. gén. 46: 748. 1866.
Justin-Lamouroux, J.V., Notice biographique sur Pierre Remy Willemet, Bruxelles. 1808, 20 p.
Kirschleger, F.R., Fl. Alsace 2: lxviii-lxix. 1857.
T. d. B., *in* J.Fr. Michaud, Biogr. univ. 44: 632. 1970 (facs. ed.).
Werner, R.G., Bull. Acad. Soc. Lorrain. Sci. 6(2): 118. 1966.

COMPOSITE WORKS: (1) With N.J. de Necker, *Willemetia* s.d. (between 1777 and 1780) see TL-2/6669. - A further copy is at BR, bound with Willemet's *Phytogr. écon. Lorraine* 1780.
(2) With G.F. Hoffmann, *Util. lich.* 1787; see TL-2/2881, but there attributed by us erroneously to P.R. Willemet's son P.R.F. de P. Willemet. The *Lichénographique économique*, however, is by P.R. Willemet.
(3) With Jean François Coste (1741-1819), *Essais botaniques, chimiques et pharmaceutiques* sur quelques plantes indigènes ... Nancy 1778, p. [i*-ix*], [i]-x, [1]-120, chart. *Copies*: HU, UC. – Nouvelle édition Nancy 1793 (n.v.).

NOTE: (1) Maternal grandfather of Hubert Felix Soyer-Willemet (1791-1867), see TL-2/5: 765-766.
(2) For the various genera called *Willemetia* see H.F. Soyer-Willemet, Ann. Sci. nat., Bot. ser. 2. 2: 127-128. 1824.

EPONYMY: *Willemetia* Maerklin (1801). *Note*: *Willemetia* Brongniart (1827) honors H. Soyer-Willemet, *q.v.*

**17.720.** *Phytographie économique de la Lorraine*, ou recherches botaniques sur les plantes utiles dans les arts. Ouvrage couronné ... à Nancy (Chez la Veuve Leclerc, ...) 1780. Oct. (*Phytogr. écon. Lorraine*).
*Publ.*: 1780, p. [i-iv], [1]-142. *Copies*: BR, HH, USDA. – The copy at BR is bound with Necker [and Willemet] *Willemetia*, TL-2/6669.

**17.721.** *Monographie pour servir à l'histoire naturelle et botanique de la famille des plantes étoilées*; ouvrage couronné ... à Strasbourg (chez Amand Koenig,...) 1791. Oct. (*Monogr. pl. étoil.*).
*Publ.*: Jun-Nov 1791 (p. viii: Mai 1791; see Stafleu, Taxon 12: 84. 1963), p. [i]-ciii. *Copies*: BR, G, HH, NY, USDA; IDC 5816.

**17.722.** *Phytographie encyclopédique*, ou flore de l'ancienne Lorraine et des départemens circonvoisins, ... à Nancy (Chez Guivard, ...) an xiii, 1.er de l'Empire français, 1805. Oct. 3 vols. (*Phytogr. encycl.*).
*1*: 1805 (J. Phys. Chim. Hist. nat. Oct-Nov 1805, all 3 vols. reviewed), p. [i]-x, [1]-464.
*2*: 1805, p. [i, iii], 465-931.
*3*: 1805, p. [i, iii], 933-1394, [1]-94, [1]-8, Linn. sex. syst.
*Copies*: BR, G, NY.
*Reissue*: 1808, as 1805 ed., with different t.p.: *Phytographie encyclopédique*, ou flore économique, contenant les lois fondamentales de la botanique, les caractères essentiels des genres et espèces ... 3 vols. Paris (Brunot-Labbe ...) 1808. Oct. *Copies*: BR, NY, USDA.
*Note* by Kirschleger (1857): "Cette Flore est somptueusement imprimée; mais le fond ou le texte est extrèmement lourd, rempli d'erreurs grossières. Ce livre es plutôt l'oeuvre d'un médecin-herboriste que d'un botaniste proprement dit".

**Willemet, Pierre Rémi François de Paule** (1762-1790), French botanist and physician; Dr. phil. Paris 1783; from 1784-1788 studying at military hospitals in Strasbourg; habil. Collège de médecine Nancy 1788; to Mysore in 1789 (physician to Tippo Saib); died at Seringapatnum 1790; son of P.R. Willemet; uncle of Soyer-Willemet. (*P. Willemet*).

HERBARIUM and TYPES: Unknown. – *Letters* at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 497; Herder p. 143, 219; Hortus 3: 1207; IF p. 738; PR 10291-10292, ed. 1: 11266-11267; Rehder 1: 481, 3: 259; TL-2/2881.

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Michaud, J.Fr., Biogr. univ. 44: 632-633. 1970 (facs. ed.).
Millin, A.-L., Act. Soc. Hist. nat. Paris 1: 122-129. 1792 (obit.).
Poiret, J.L.M., *in* Lamarck, Encycl. méth., Bot. 8: 762. 1808.
Werner, R.G., Bull. Acad. Soc. Lorr. Sci. 6(2): 118-119. 1966 (b. 2 Apr 1962).

NOTE: We did not see a copy of his *An vires plantarum* ex characteribus botanicis sunt inferendae? Nancy (Bachot) 1782, 4 p. Qu., PR 10291 (copy in Bibl. Juss., now P-Bibl. centr.).

**17.723.** *Herbarium Mauritianum* auctore Petro Remigio Willemet. Praefatus est Alb. Ludov. Millin. Lipsiae [Leipzig] (apud Petr. Phil. Wolf) 1796. Oct. (*Herb. Maurit.*). *Publ.*: 1796 (AKL 8 Jul 1796), p. [i*], [i]-xii, 1-64. *Copies*: G, USDA. – Also issued as Ann. Bot., ed. P. Usteri 18: 1-66. 1796.

**Willey, Henry** (1824-1907), American lawyer, journalist and botanist (lichenologist), admitted to the New York bar 1848; practiced law at Geneseo and Spencerport N.Y. 1848-1851; editor of the New Bedford Daily Evening Standard 1857-1900. (*Willey*).

HERBARIUM and TYPES: US (10.000). – Other material at BR, C, F, FH, GZU, H-NYL, LD, M, STU, TUR-V, UPS (impt. set), WRSL.
*Lichenes exsiccati* nos. 1-241. Set at FH. – *Letters* at FH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 498 (b. 19 Jul 1824, d. 15 Mar 1907); GR p. 199, *pl.* [*93*], cat. p. 73; Hawksworth p. 186; Jackson p. 363; Kelly p. 241, 259; Lenley p. 435; LS 28945-28976; ME 1: 240; Morren ed. 10, p. 123; NW p. 61; PH 906; SBC p. 1964; Stevenson p. 1262; TL-2/15.285.

BIOFILE: Anon., Amer. men sci. ed. 1. 348. 1906 (ed. until 1890); Bot. Gaz. 12: 71. 1887 (herbarium and library for sale; value US$ 2000.,; Brit. Mus. gen. cat. print. books 257: 1003-1004. 1965; Index Amer. bot. lit. 1886-1966. 4: 537. 1969; Natl. Cycl. Amer. biogr. 10: 40-41. 1900 (editor until 1900); Who's who Amer. 1-4, 1899-1907; Who was who Amer. 1: 1350. 1968 (editor until 1900).
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Fink, B., Mycologia 6(2): 49-53. 1914 (obit., portr., bibl.).
Howe, Jr., R.H., Bot. Gaz. 56: 502-503. 1913 (obit., portr.), N. Bedford Sunday Standard 20 Jul 1913 (id.).
Jennings, O.E., Bryologist 17: 75-76. 1914 (obit., portr.).
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EPONYMY: *Willeya* J. Müller Arg. (1883).

**17.724.** *Lichens collected by the United States expedition under Dr. F.V. Hayden* to the Yellowstone region in 1872, by Dr. J.M. Coulter, botanist, and determined by H. Willey. Reprinted with corrections from the 6th annual report of the U.S. Geological Survey of the Territories, Washington 1873. Oct. (*Lich. U.S. exped. Hayden*).

*Collector*: John Merle Coulter (1851-1928), TL-2/1: 558-559.
*Publ.*: 1873, p. [1]-4. *Copies*: G, NY. – Reprinted, with corrections, from Ann. Rep. U.S. Geol. Surv. 1873: 790-792.

**17.725.** *A list of North American lichens* arranged according to Prof. E. Tuckerman's "Genera lichenum" ... New Bedford, Mass. 1873. Duod. (*List N. Amer. lich.*).
*Publ.*: Jan 1873 (t.p.), p. [1]-30. *Copies*: FH(2), G(2), NY, PH, Stevenson, USDA.

**17.726.** *Statistics and distribution of North American lichens* ... Bull Buf. Soc. nat. Sci. ... 1873. Oct. (*tatist. distr. N. Amer. lich.*).
*Publ.*: Dec 1873 (read 3 Oct 1873; Grevillea Jan 1874 as preprint; Apr 1874 as journal publ.), p. 161-167. *Copy*: G. – Reprinted and to be cited from Bull. Buffalo Soc. nat. Sci. 1(3): 161-167. 1873 (journal issue 1874).

**17.727.** *An introduction to the study of lichens* ... with a supplement and ten plates. Printed for the author. New Bedford (E. Anthony & Sons, ...) 1887. Oct. (*Intr. study lich.*).
*Publ.*: Mai 1887 (TBC Jul 1887; Bot. Gaz. Jun 1887; Nat. Nov. Aug(1) 1887), p. [1]-72, 10 pl. in text. *Copies*: FH, G, NY(3), PH, Stevenson, USDA.

**17.728.** *A synopsis of the genus Arthonia* ... New Bedford, Massachusetts (printed for the author ...) 1890. Oct. (*Syn. Arthonia*).
*Publ.*: Jun 1890 (p. iii: Jan 1890; Bot. Gaz. Jul 1890; Nat. Nov. Aug(1) 1890), p. [i*], [i]-vi, [vii], [1]-62. *Copies*: FH, G, NY(2), Stevenson; IDC 716.
*Ref.*: Hue, A.M., Bull. Soc. bot. France 39: 34-35. 1892 (rev.).
Minks, A. (Stettin), Bot. Centralbl. 46: 98-100. 1891 (rev.).

**17.729.** *Enumeration of the lichens found in New Bedford*, Massachusetts and its vicinity from 1862 to 1892 ... New Bedford, Massachusetts (printed for the author ...) 1892. Oct. (*Enum. lich. New Bedford*).
*Publ.*: Dec 1892 (p. ii: Dec 1892; Bot. Gaz. Apr 1893; TBC 15 Jul 1893), p. [i*-ii*], [i]-ii, [5, sic]-39. *Copies*: FH, G.
*Ref.*: Minks, A. (Stettin), Bot. Centralbl. 54: 297-299. 24 Mai 1893 (rev.).

**17.730.** *Notes on some North American species of Parmelia* [1896]. Oct. ( *Notes N. Amer. Parmelia*).
*Publ.*: Apr 1896 (in journal; date of reprint not known), p. [1]-4. *Copy*: G. – Reprinted with changes from Bot. Gaz. 21: 202-206. 1896.

**Williams, Benjamin Samuel** (1822-1890), English horticulturist (orchidologist); gardener's training with his father at The Woodlands, Hertfordshire owned by John Warner, some time in charge of the orchid collections at The Woodlands; nurseryman with R. Parker at Holloway 1854-1861; independent flower grower at Holloway from 1861 (Victoria and Paradise nurseries). (*B.S. Williams*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; BB p. 327; BM 5: 2326, 8: 1436; Desmond p. 661 (b. 2 Mar 1824, d. 24 Jun 1890); Herder p. 289, 367, 435; Hortus 3: 1207; Langman p. 805; Morren ed. 10, p. 73; NI 2160; Rehder 5: 923; TL-2/6282; Tucker 1: 747; Zander ed. 10, p. 733, ed. 11, p. 836.

BIOFILE: Allen, D.E., Victorian fern craze 20, 41. 1969.
Anon., Brit. Mus. gen. cat. print. books 258: 162. 1965; Gard. Chron. ser. 3. 7: 801. 1890 (d.); Proc. Linn. Soc., London 1890-1892: 27. 1893 (obit. not., d. 24 Jun 1890).
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Ed. P., Rev. hortic. Belg. étrang. 16: 208. 1890 (d.; memorial).
Reinikka, M.A., A history of the orchid 223-225. 1972.
Williams, H., *in* R. Warner et al., Orchid album 9: [3 p.]. 1891.

COMPOSITE WORKS: (1) Co-editor, Th. Moore et al., *The orchid album*, vols. 1-9, 1881-1891 (TL-2/6282).
(2) *Notes on culture*, *in* R. Warner, *Select Orchidaceous plants*, London 1862-1865, TL-2/16.742.

**17.731.** *The orchid-growers manual* containing a brief description of upwards of two hundred and sixty orchidaceous plants together with notices of their times of flowering and most approved modes of treatment; ... London (Chapman and Hall, ...) 1852. Oct. (*Orch.-grow. man.*).
*Ed.* [*1*]: 1852, frontisp. (col.), p. [i]-viii, [1]-108. *Copy*: NY.
*Ed. 2*: 1862, p. [i], frontisp., [iii]-xii, [1]-160. *Copy*: Harvard (Dumb. Oaks).
*Ed. 3*: 1868 (p. ix: Feb 1868), p. [i]-xvi, [1]-251. *Copy*: Harvard (Dumb. Oaks).
*Ed. 4*: 1871 (p. viii: Mar 1871), p. [i]-viii, [1]-300, *pl. Copies*: HH, LIV, NY. – London (published at Victoria and Paradise nurseries ...). Duod.
*Ed. 5*: 1877 (p. xi: Apr 1877), p. [i-iv], frontisp., [v]-xi, [1]-336, *plates. Copies*: Harvard (Dumb. Oaks), HH, NY.
*Ed. 6*: Nov-Dec 1885 (p. xiv: Oct 1885; rev. J. Bot. Mar 1886; Nat. Nov. Jun(2) 1886), p. [i]-xiv, [1]-659, [660], *plates. Copies*: BR, Harvard (Dumb. Oaks), NY.
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*Facsimile ed.*: 1973, Lehre (J. Cramer), ISBN 3-7682-0043-4, ii, xx, 798 p.

**17.732.** *Hints on the cultivation of British and exotic ferns and Lycopodiums* with descriptions of one hundred and fifty species and varieties ... London (Chapman and Hall, ...) 1852. Oct. (*Hints cult. ferns Lycop.*).
*Publ.*: 1852, p. [i]-vi, [vii], [1]-67. *Copies*: BR, NY.

**17.733.** *Select ferns and Lycopods*: British and exotic. Comprising descriptions of nine hundred choice species and varieties, accompanied by directions for their management in the tropical, temperate, and hardy fernery; with illustrations ... London (published and sold by the author) 1868. Oct. (*Select ferns Lycop.*).
*Publ.*: 1868 (J. Bot. Jun 1868), p. [i-ii], frontisp., [iii]-vi, [1]-343, *15 pl. Copies*: HH, NY, PH; IDC 7279.
*Other ed.*: 1873 (p. iii: Mar 1873), p. [i*], frontisp., [i]-viii, [1]-353, *24* (25?) *pl. Copies*: BR, HH, NY.

**17.734.** *Choice stove and greenhouse flowering plants*, comprising descriptions of upwards of one thousand species and varieties, accompanied by instructions for their cultivation and sold by the author) 1869. Oct. (*Choice stove greenh. pl.*).
*Ed.* [*1*]: 1869 , p. [i-ii], frontisp. (col., by J.N. Fitch), [iii-iv], err. slip, [v]-viii, [1]-329, *plates. Copy*: HH.
*Ed. 2*: 1873 (p. viii: Feb 1873), p. [i-ii], frontisp. (id.), [iii]-viii, [1]-346, *plates. Copies*: HH, MO.
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**17.735.** *Choice stove and greenhouse ornamental-leaved plants*, comprising descriptions of upwards of eight hundred species and varieties, accompanied by instructions for their cultivation and mode of management, ... London (published and sold by the author) 1870. Oct. (*Choice stove orn.-leav. pl.*).
*Ed. 1*: 1870, p. [i-ii], frontisp., [iii]-viii, [1]-340, *plates. Copies*: HH, MO.
*Ed. 2*: 1876 (p. vii: Mai 1876), p. [i-ii], frontisp., [iii]-x, [1]-350, *plates. Copy*: HH.

**Williams, Frederic Newton** (1862-1923), British physician and botanist; practicing physician at Brentford, Middlesex, especially interested in Caryophyllaceae. (*F.N. Williams*).

HERBARIUM and TYPES: K and BM (original herbarium not traced fide Kent and Allen 1984), mss. fragment Fl. Middlesex at BM. – *Letters* at GH, K.

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*Supplement*: J. Bot. 24: 301. Oct 1886.

**17.737.** *Enumeratio specierum varietatumque generis Dianthus* ... London (Printed by West, Newman and Co., ...) 1889. Oct. (*Enum. sp. var. Dianthus*).
*Publ.*: Apr-Mai 1889 (ÖbZ 1 Aug 1889; Nat. Nov. Jun(1) 1889), p. [1]-23, [24, note]. *Copies*: G, H, M, NY, PH. – A revision and extension of the above *Enumeratio* of 1885, now published independently.
*Note*: Williams also published a *Revision of the specific forms of the genus Gypsophila*, J. Bot. 27: 321-329. Nov 1889.

**17.738.** *Notes on the pinks of Western Europe* ... London (printed by West, Newman and Co., ...) 1889. Oct. (*Notes pinks West. Europe*).
*Publ.*: Sep-Oct 1889 (p. iv: Sep 1889; Nat. Nov. Nov(2) 1889), p. [i]-iv, [5]-47, [48 colo.]. *Copies*: BR, G, HH, NY, USDA.

**17.739.** *The pinks of central Europe* ... London (printed by West, Newman and Co., ...) 1890. Oct. (*Pinks centr. Eur.*).
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*Ref.*: J.G.B., J. Bot. 29: 26-27. Jan 1891 (rev.).

**17.740.** *Synopsis of the genus Tunica* ... Reprinted from the "Journal of Botany" ... 1890. Oct.
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*Ed.* [*1*]: 20-29 Nov 1895 (p. 2 dated 29 Nov 1895, but E. Warming at Copenhagen received his copy on 30 Nov 1895; J. Bot. Jan 1896 rev.), p. [1]-8. *Copies*: B (E. Warming's copy), BR, G.

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*Preliminary publ.*: J. Bot. 32: 10-13. 1894: *Primary subdivisions in the genus Silene*; J. Bot. 32: 163. 1894: *A new Silene from Teneriffe.*

**17.745.** *A systematic revision of the genus Herniaria* ... Extrait du Bulletin de l'Herbier Boissier ... 1896. Oct.
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**17.747.** *Gooringia*, a new genus of Caryophyllaceae ... Extrait du Bulletin de l'Herbier Boissier ... 1897. Oct.
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**17.748.** *Note monographique sur le genre Rhodalsine* Gay ... Genève (Imprimerie Romet, ...) 1898. Oct.
*Publ.*: Jan 1898, cover-t.p., p. [1]-10. *Copy*: G. – Reprinted and to be cited from Bull. Herb. Boissier 6(1): [1]-10. 1898.

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**17.750.** *Énumération provisoire des espèces du genre Cerastium* ... Genève (Imprimerie Romet, ...) 1898. Oct.
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**17.753.** *Prodromus florae britannicae* ... Brentford, Middlesex (C. Stutter, ...) 1901-1912, 10 parts. Oct. †. (*Prodr. fl. brit.*).
*Publ.*: 1901-1912, parts 1-8 constituting vol. 1, parts 9-10 with pagination continuing from 8. *Copies*: B, BR, G, H, HH, LIV, MO, NY, PH, USDA.
*Preface material*: *vol. 1*: 28 Feb 1911, p. [i]-xx.
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**17.754.** *Note synoptique sur le genre Moenchia* ... Extrait du Bulletin de l'Herbier Boissier ... 1902. Oct.
*Publ.*: 30 Jun 1902 (in journal), p. [1]-12. *Copy*: G. – Reprinted and to be cited from Bull. Herb. Boissier ser. 2. 2(7): [602]-613. 1902.

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[*2*]: 31 Mar 1904, p. [17]-28, Bull. 4(4): 361-372. 1904.
[*3*]: 30 Sep 1904, p. [29]-36, Bull. 4(10): 1027-1034. 1904.
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[*5*]: 28 Feb 1905, p. [53]-64, Bull. 5(3): 216-227. 1905.
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**17.757.** *Florula gambica* une contribution à la flore de la colonie britannique ... Extrait du Bulletin de l'Herbier Boissier ... 1907. Oct.
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**Williams, Llewellyn** (1901-1980), British-born American botanist and explorer; B.S. Univ. Wales 1923; assistant wood technologist Field Museum, Chicago 1926-1930, assistant curator economic botany 1930-1935, curator from 1935-1938, 1940-1941; on the Field Museum's Peruvian-Brazilian expedition 1929-1930; active as explorer in various capacities in Venezuela 1939-1940, 1941-1942; from 1942-1945 as field technician in the Rubber Development Corporation in the Orinoco-Casiquiare basin; with the L.A. Dreyfus Company in tropical America, Africa and Asia 1945; consultant with Wm. Wrigley, Jr. Co. 1956-1960; from 1961 economic botanist U.S.D.A., Beltsville; ultimately in retirement at Randolph, Wisconsin. (*Ll. Williams*).

HERBARIUM and TYPES: Main sets in F, NY, US, VEN. – Other material in A, DPU, GH, IAN, MO, S, TEX, U. – *Manuscripts*: H.H. Iltis, Madison, Wisconsin. *Field notes* in F, NY, VEN. – *Letters* at G, NY. – *Wood samples* e.g. in Record Wood and Herbarium collections, Madison, Wisc. (vouchers in F).

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EPONYMY: *Llewelynia* Pittier (1939).

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**17.762.** *Maderas économicas de Venezuela* ... Caracas (Cooperativos de artes graficas) 1939. Oct. (*Mader. econ. Venezuela*).
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*Publ.*: 1942, p. [i-iii], [1-6, 6a caption to portrait], portr., 7-467, 468, err., 2 maps, *53 pl.* *Copies*: HH, NY, PH, Welle.

**Williams, Louis Otho** (1908-x), American botanist and museum curator; B.A. Univ. Wyoming 1932, MS. 1933; Dr. phil. Washington Univ. St. Louis 1936; Research associate Harvard Univ. 1936-1946 (1942-1946 in Brazil on U.S. wild rubber project); botanist United Fruit Company and Escuela Agricola Panamericana, Tegucigalpa, Honduras 1946-1957; economic botanist U.S.D.A. 1957-1960; curator and chairman (1971-1973) of the Botany Department, Field Mus., Chicago 1960-1974; emeritus curator Field Mus. from 1975. (*L.O. Williams*).

HERBARIUM and TYPES: Orchid herbarium and library at SEL; further material at AMES, BM, BR, C, DPU, EAP, G, GB, GH, LCU, MBG, MO, NY, PH, RM, TRT,

US, UTC. – Manuscripts and letters e.g. at F, Hunt Institute (W. Popenoe papers), NY, RM, SEL.

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*1*: 1 Jul 1937, BML 5(1): 31-32.
*2*: 19 Oct 1937, BML 5(3): 41-48.
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*4*: 5 Mar 1937, BML 5(7): 105-142, see also p. 143.
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**Williams, Robert Orchard** (1891-1967), British botanist; Kew gardener 1916; curator Royal Botanic Gardens Port of Spain, Trinidad 1916; director Bot. Gard. St. George's 1919-1921; director Royal bot. Gard. Port of Spain, Trinidad 1922-1934; economic botanist Trinidad 1932, asst. director of agriculture ib. 1934; chief horticultural officer, Palestine 1935; director agriculture, Zanzibar 1945-1948. (*R.O. Williams*).

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Frodin, D.G., Guide standard floras world nos. 295, 532. 1984.
Verdoorn, F., ed., Chron. bot. 2: 395. 1936, 5: 508. 1939, 7: 130, 238. 1943.

**17.772.** *The useful and ornamental plants of Trinidad and Tobago* ... Trinidad (Printed by the Government Printer ...) 1927.
*Senior author*: William George Freeman (b. 1874).
*Ed. [1]*: 1927 (Kew Bull. 18 Jan 1928), p. [i-iv], [1]-198. *Copy*: NY. – Mem. Dept. Agr. Trinidad no. 4. 1927.
*Ed. 2*: 1928 (p. iii: 12 Oct 1928), p. [i-iv], [1]-92. *Copies*: HH, LC, NY, USDA.
*Ed. 3*: 1941, with W.G. Freeman and R.O. Williams Jr., p. [i]-x, 11-265. *Copy*: Hamilton Coll. Libr. – Revised third edition by R.O. Williams and R.O. Williams Jr.
*Ed. 4*: 1951, p. [i]-x, 11-335. *Copies*: B, HH, LC, US. – Reprinted 1969, *copy*: Clemson Univ. Libr.

**17.773.** *Flora of Trinidad and Tobago* ... Trinidad, Port of Spain (printed by the Government Printer ...) 1928-x. (*Fl. Trinidad*).
*Authorship*: R.O. Williams was the author of the first and many other order or family treatments. The series is multi-authored and has no visible editor. *Copies*: HH, NY, PH, U, US, USDA.
*1(1)*: Aug 1928, p. [1]-22. – *Ranales* by R.O. Williams (R.O.W.).

*1(2)*: Nov 1929, p. 23-164. – *Parietales*, *Polygalinae*, *Caryophyllinae*, *Guttiferales*, *Geraniales* by R.O.W.; *Malvales* by R.O.W. and E.E. Cheesman.
*1(3)*: Nov 1930, p. 165-196. – *Olacales*, *Celastrales*, *Sapindales*, by R.O.W.
*1(4)*: Aug 1931, p. 197-308. – *Rosales* (pars) by R.O.W.
*1(5)*: Aug 1932, p. 309-332. – *Rosales* (concl.), *Myrtales* (pars) by R.O.W.
*1(6)*: Oct 1934, p. 333-410. – *Myrtales* (pars) by R.O.W.
*1(7)*: Mar 1940, p. 411-464. – *Myrtales* (concl.), *Passiflorales*, *Ficodales*, *Umbellales* by E.E. Cheesman.
*1(8)*: Sep 1947, p. 465-531, [532]. – *Umbelliferae*, *Araliaceae* by E.E. Cheesman.
*1 (Index)*: 1947, p. 533-563.
*2(1)*: Aug 1928, p. [1]-48. – *Rubiales* by R.O.W. and E.E. Cheesman.
*2(2)*: Nov 1940, p. 49-122. – *Asterales*, *Campanales and Primulales* by E.E. Cheesman, *Ericales* by A.W. Hill, B.L. Burtt.
*2(3)*: Sep 1947, p. 123-187. – *Ebenales* by A.W. Hill, N.Y. Sandwith, E.E. Cheesman, *Gentianales* by E.E. Cheesman, R.O.W., *Polemoniales* (pars) R.O.W.
*2(4)*: 1953, p. 189-272. – *Polemoniales* (pars), *Boraginaceae*, *Convolvulaceae*, *Solanaceae* by various authors.
*2(5)*: 1954, p. 273-379, err. slip. – *Personales*, *Scrophulariaceae*, *Lentibulariaceae*, *Gesneriaceae*, *Bignoniaceae*, *Pedaliaceae*, *Acanthaceae* by various authors.
*2(6)*: 1955, p. 381-436. – *Lamiales* by E.E. Cheesman, H.N. Moldenke, R.E.D. Baker; *Plantaginales* by E.E. Cheesman.
*2(7)*: 1964, p. 437-498. – *Curvembryae* by N.W. Simmonds and R.A. Howard.
*2(8)*: 1977, p. [i], errata, 501-559. – *Multiovulatae terrestres* and *Micrembryae* by D. Philcox.
*2(9)*: 1978, p. [i], 561-618. – *Daphnales*, *Achlamydosporae* by D. Philcox.
*2(10)*: 1979, p. [i], 619-703. – *Unisexuales* by D. Philcox.
*2(11)*: 1982, p. [i], 705-756. – *Unisexuales* by D. Philcox, C.C. Berg, N. van Heusden; *Anomalous families* by D. Philcox and J.K. Bowden.
*3(1)*: 1967, p. [1]-200. – *Microspermae* by N.W. Simmonds, R.E. Schultes.
*3(2)*: 1967, p. [1]-91. – *Epigynae* (pars) by N.W. Simmonds, L.B. Smith and C.S. Pittendrigh.

**Williams, Robert Statham** (1859-1945), American bryologist; business man, miner and explorer in Montana 1879-1898; in Alaska 1898-1899; from 1899 scientist of independent means; Museum aid New York Botanical Garden 1899-1906, asst. curator 1906, administrative assistant 1910-1932; research assistant in bryology 1932-1936; research associate from 1934; in retirement in Minneapolis, Minn.; collected in Montana 1879-1898, Alaska 1898-1899, Bolivia 1901-1903, Philippines 1903-1905, Panama 1908. (*R.S. Williams*).

HERBARIUM and TYPES: Personal bryological herbarium and library at F (see Steere 1945, p. 96 for types; not at NY). Montana collections at MONT; Alaska Philippines, and trop. Amer. coll. at NY; other material at AMES, BM, BR, DPU, E, FH, GH, H, K, L, MICH, MIN, MO, MONTU, NA, NY (ca. 20.000 incl. 3126 nos. from Philippines), PH, PNH, US. – For details on collections made in the Philippines see SK 1: 577. – *Field notes*, *correspondence* (especially with E.G. Britton): NY.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 348; Backer p. 626; BJI 2: 192; Blankinship p. 9, 25; Bossert p. 437; CSP 19: 636; Ewan ed. 1: 337-338, ed. 2: 239; IH 1 (ed. 2): 88, (ed. 6): 366, (ed. 7): 346; Lenley p. 436-437; LS suppl. 30078-30079; MW p. 529; SBC p. 135; SK 1: 577, 8: cviii; TL-2/781; Urban-Berl. p. 317.

BIOFILE: Anon., Amer. men sci. ed. 6. 1549. 1938; Bryologist 82: 512. 1979 (portr.); Index Amer. bot. lit. 1886-1966. 4: 543-545. 1969; J. New York Bot. Gard. 7: 110, 115.1906 (coll. NY), 9: 5. 1908 (Philipp. pl. at NY), 10: 80. 1909 (Boliv. pl. NY), 42: 39. 1941 (Alaska pl. at NY; some 20.000 specimens from Philipp., Panama, Bolivia, Peru also at NY [not his personal moss herbarium, see Steere 1945]; New York Times 12 Apr 1903 (account trip Bolivia); Rev. bryol. 27(3): 48. 1900, 28(4): 81. 1901, 29(5): 104. 1902, 30(6): 110. 1903, 31(2): 50. 1904, 32(6): 110. 1905, 37(6): 135. 1910, 38(3): 71. 1911, 38(5): 119. 1904, 38(6): 135. 1911, 39(2): 32. 1912, 39(6): 106. 1912, 41(1): 14, 15, 16. 1914, 47(5-6): 78. 1920, 48(5-6): 76. 1921, 51(4): 60. 1924,

52(3): 45. 1925; n.s. 1(4): 211. 1928, 2(1): 53. 1929, 3(1-2): 90. 1930, 3(4): 211, 213. 1931, 4(1): 47. 1931, 4(4): 205. 1932, 7(1-2): 130. 1934, 8: 120. 1935, 9(1-2): 151. 1936, 10(1-3): 104. 1937, 11(1-2): 133. 1939.
Barnhart, J.H., J. New York Bot. Gard. 46: 146-147. 1945 (obit.).
Degener, O., J. New York Bot. Gard. 49: 16-17. 1948 (note on early life 1883-1898).
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Quisumbing, E., Philipp. geogr. J. 8: 36. 1964 (coll. Philipp. Nov 1903-Aug 1905).
Rickett, H.W., Index Bull. Torrey bot. Club 105. 1955.
Roberts, Th.S., Auk 62: 662-663. 1945.
Sayre, G., Mem. New York Bot. Gard. 19(3): 416. 1975 (coll. bryol.); Bryologist 80: 520. 1977 (coll.).
Steere, W.C., Bryologist 48: 93-99. 1945 (biogr., bibl.); Bot. Rev. 43: 308-311. 1975.
Verdoorn, F., ed., Chron. bot. 2: 347. 1936, 3: 310. 1937, 4: 278. 1938, 5: 114. 1939.
Williams, R.S., Plant world 2: 177-181. 1899 (on Alaska); J. New York Bot. Gard. 1: 44-46. 1905 (Forest conditions Klondike).

COMPOSITE WORKS: (1) *Bryales*, North American Flora 15: 41-43. 14 Jun 1913 (with E.G. Britton); *Dicranaceae* 15: 77-158. 8 Aug 1913; *Leucobryaceae* 15: 159-166. 8 Aug 1913.
(2) *Mosses of Peru*, *in* J.F. Macbride, Field Mus. Nat. Hist., Bot. Ser. 4(5): 125-139, *pl. 1-10.* 1927.
(3) *Introductory note*, *in* H.H. Rusby , Bull. New York Bot. Gard. 6: 487-488. 1910 (to *New species from Bolivia* ...).
(4) *Musci*, *in* C.F. Millspaugh & L.W. Nuttall, *Flora of Santa Catalina Island*, Field Mus. nat. Hist., Bot. Ser. 5: 304-310, *pl. 12.* 1923, TL-2/6074.
(5) *Musgos* (Musci), *in* P.C. Stanley & S. Caldéron, *Lista prel. pl. El Salvador* 18-19. San Salvador 1925, TL-2/12.778.

EPONYMY: *Williamsia* Merrill (1908); *Williamsia* V.F. Brotherus (1909); *Williamsiella* E.G. Britton (1909).

**17.774.** *Two new species of Grimmia from Montana* ... New York 1900. Oct.
*Publ.*: 25 Jun 1900, cover-t.p., p. 316-317, *pl. 19-20. Copies*: NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 27: 316-317, *pl. 19-20.* Reprints issued as Contr. New York Bot. Gard. no. 8.

**17.775.** *Two new western mosses* ... New York 1902. Oct.
*Publ.*: 25 Feb 1902, cover-t.p., p. 66-68, *pl. 4-5. Copies*: NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 29: 66-68. *pl. 4-5.* 1902. Reprints issued as Contr. New York Bot. Gard. 21.

**17.776.** *A preliminary list of Montana mosses* ... [Bulletin of the New York Botanical Garden ... 1902]. Oct.
*Publ.*: 25 Apr 1902, cover, p. 351-380, *pl. 34-39. Copy*: NY. – Reprinted and to be cited from Bull. N.Y. Bot. Gard. 2(7): 351-380, *pl. 34-39.* 1902.

**17.777.** *Bolivian mosses* part i [-ii] ... New York 1903 [-1909]. Oct.
*1*: 19 Oct 1903, p. [i], [104]-134. – Reprinted and to be cited from Bull. New York Bot. Gard. 3(9): [104]-134. 1903.
*2*: 1909, p. [i], 227-261. – Id. 6: 227-261. 1909.
*Copies*: H, NY.

**17.778.** *Mosses from tropical America* ... New York 1908. Oct.
*Publ.*: 11 Jan 1908, cover-t.p., p. 569-574. *Copy*: U. – Reprinted and to be cited from Bull. Torrey bot. Club 34: 569-574. 1907 [1908]. – Reprints issued as Contr. New York Bot. Gard. 102.

**17.779.** *Central American mosses* ... New York 1914. Oct.
*Senior author*: Elizabeth Gertrude Britton (1858-1934).
*Publ.*: Feb 1914, cover-t.p., p. 24-31. *Copies*: FAS, NY, U. – Reprinted and to be cited from Torreya 14: 24-31. 1914. – Reprints issued as Contr. New York Bot. Gard. 165.

**17.780.** *Philippine mosses* ... Reprinted from the Bulletin of the New York Botanical Garden ... 1914. Oct.
*Publ.*: 23 Jul 1914, p. [i], [331]-377, *pl. 171-174*. *Copy*: H. – Reprinted from Bull. New York Bot. Gard. 8: 331-377, *pl. 171-174*. 1914. – See also his publ. with the same title in J. New York Bot. Gard. 15: 12-14, 1914 and *Moses of the Philippine and Hawaiian Islands* ... 1915 (see below).

**17.781.** *Mosses from the west coast of South America* ... New York 1915. Oct.
*Publ.*: 29 Jul 1915, cover-t.p., p. 393-404, *pl. 21-25*. *Copies*: H, NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 42: 393-422, *pl. 21-25*. 1915. Reprints issued as Contr. New York Bot. Gard. 180.

**17.782.** *Mosses of the Philippine and Hawaiian Islands* collected by the late John B. Leiberg ... New York 1915. Oct.
*Collector*: John Bernhard Leiberg 1853-1913.
*Publ.*: 13 Nov 1915, cover-t.p., p. 571-577. *Copies*: H, NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 42: 571-579. 1915. Reprints issued as Contr. New York Bot. Gard. 184 (on cover erron.: "572-579").

**17.783.** *Peruvian mosses* ... New York 1916. Oct.
*Publ.*: 29 Jun 1916 (fide reprint cover; 30 Jun 1916 on p. 323), cover-t.p., p. 323-324, *pl. 17-20*. *Copies*: H, NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 43: 323-334. *pl. 17-20*. 1916. Reprints issued as Contr. New York Bot. Gard. no. 189.

**17.784.** *The genus Desmatodon in North America* ... New York 1919. Oct.
*Publ.*: 25 Jun 1919 (in journal, p. 207; 8 Jul 1919 as reprint, on cover), cover-t.p., p. 207-220, *pl. 11*. *Copies*: NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 46: 207-220. *pl. 11*. 1919. Reprints issued as Contr. New York Bot. Gard. 210. 1919.

**17.785.** *Calymperaceae of North America* ... New York 1920. Oct.
*Publ.*: 20 Oct 1920, cover-t.p., p. 367-396, *pl. 15-17*. *Copies*: H, NY, U. – Reprinted and to be cited from Bull. Torrey bot. Club 47: 367-396, *pl. 15-17*. 1920. Reprints issued as Contr. New York Bot. Gard. 223.

**17.786.** *Report of the Canadian arctic expedition 1913-18*. Volume iv: botany. Part E: *Mosses* ... Ottawa (Thomas Mulvey ...) 1921. Oct. (*Rep. Canad. arct. exped., Moss.*).
*Publ.*: 8 Feb 1921, cover, p. [1E]-15E. *Copies*: B, MICH, NY. – Issued as Rep. Can. Arct. Exp. 4E. 1921.

**17.787.** *Galapagos and Cocos Island mosses* collected by Alban Stewart in 1905-1906 ... Reprinted from The Bryologist, ... 1924. Oct.
*Collector*: Alban Stewart (b. 1905), TL-2/5: 921-922.
*Publ.*: 2 Jul 1924 (issue for Mai 1924), p. [37]-[45], *pl. 5-8*. *Copy*: NY. – Reprinted and to be cited from The Bryologist 27: 37-45, *pl. 5-8*. 1924.

**17.788.** *Mosses of Peru* ... Chicago, U.S.A. (Field Museum of Natural History ...) 1927. Oct.
*Publ.*: 31 Mai 1927, p. [i], [125]-139, *pl. 1-10*. *Copy*: NY. – Reprinted and to be cited from Field Mus. Nat. Hist., Bot. 4(5): 125-139. *pl. 1-10*. 1927.

**Williams, Samuel** (1743-1817), American historian, naturalist and clergyman; minister at Bradford, Mass. 1765-1780; Hollis professor of mathematics and natural philosophy Harvard University 1780-1788; minister at Rutland, Vt. 1789-1795, editor of the Rutland Herald 1795-1804. (*S. Williams*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 500; Dawson p. 874 (1789: helping to found Univ. Vermont); ME 2: 42, 3: 358-359; TL-2/16.041.

BIOFILE: Allibone, S.A., Crit. dict. Engl. lit. 3: 2749. 1880.
Anon., Brit. Mus. gen. cat. print. books 258: 478. 1965; Sibley's Harvard graduates 15(1761-1763): 134-146. 1970 (biogr.).
Drake, F.S., Dict. Amer. Biogr., Suppl. 988-989. 1872 (b. 23 Apr 1743, d. 2 Jan 1817).
McCorison, A., Proc. Amer. Antiq. Soc. 7682): 293-395. 1967 (daybook Rutland Herald).
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1331. 1863.
Sabin, J., Dict. books rel. America 18: 124. 1889, 28: 443-445. 1936.

NOTE: Samuel Williams (c. 1898-1965), B.Sc. Manchester 1920, was lecturer in botany at Glasgow University 1923-1964 and published on the morphology of ferns (e.g. in F. Verdoorn, Man. pteridol. 1938). See Desmond p. 663.

**17.789.** *The natural and civil history of Vermont* ... Printed at Walpole, Newhampshire (By Isaiah Thomas and David Carlisle, Jun. ...) 1794. Oct. (in 4-s). (*Nat. civ. hist. Vermont*).
*Ed.* [*1*]: 1794 (p. iii: 16 Jul 1794), map, p. [i]-xvi, [17]-416. *Copies*: HH, NY, PH "vegetable productions" on p. 66-80.
*Ed. 2*: 1809, "The second edition, corrected and much enlarged". Burlington, Vt. (printed by Samuel Mills ...) 1809. 2 vols. *Copies*: HH, MO, NY.
*1*: 1809, p. [1]-514, [515].
*2*: 1809, p. [1]-487, [488, err.].

**Williams, Thomas Albert** (1865-1900), American agricultural botanist and lichenologist; professor of botany at the South Dakota Agricultural College at Brookings 1896; assistant chief of the Division of Agrostology, U.S.D.A., Washington D.C. 1896-1900. (*T.A. Williams*).

HERBARIUM and TYPES: US (19.400). – Further material at BH, DPU, DS, E, GH, K, MO, NY, RM, SDC, WELC, Y. – *Field notes*: US. – *Letters* at FH, GH, NY.
*Exsiccatae*: With C.E. Cummings and A.B. Seymour, *Lichenes boreali-americani*, see C.E. Cummings (TL-2/1: 571), A.B. Seymour (TL-2/5: 543) and Sayre (1969) p. 120; for a planned continuation after W.'s death see Bot. Gaz. 32: 444. 1901.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 500 (b. 25 Nov 1865, d. 23 Dec 1900); BM 5: 2327; Bossert p. 437; Ewan ed. 1: 338, ed. 2: 240; GR p. 254; Kelly p. 241; Langman p. 807; Lenley p. 437; LS 6419, 28991-29006, 40604-40607; MW p. 529; Rehder 5: 923; SIA see index; TL-2/see C.E. Cummings, A.B. Seymour; Tucker 1: 747.

BIOFILE: Anon. Bull. Torrey bot. Club 28(1): 50. 1901 (resolutions on death); Hedwigia 40: (58). 1901 (d.); Index Amer. bot. lit. 1886-1966. 4: 545. 1969; Nat. Nov. 18: 442. 1896 (app. USDA).

COMPOSITE WORKS: (1) *Ascolichenes, in* A.S. Hitchcock, *List of cryptogams collected in the Bahamas, Jamaica and Grand Cayman*, Ann. Rep. Missouri Bot. Gard. 9: 112-115. 1898. (2) *Lichenes, in* E.L. Greene, *Plantae Bakerianae* 2(1): 30. 1901, TL-2/2142.

**17.790.** *Lichens of the Black Hills and their distribution* ... Reprinted from the Bulletin of the Torrey Botanical Club ... 1893. Oct.
*Publ.*: 15 Sep 1893, p. [349]-355. *Copy*: G. – Reprinted and to be cited from Bull. Torrey bot. Club 20(9): [349]-355. 1893.

**17.791.** South Dakota Agriculture College ... *Native and introduced forage plants* ... Brookings (Dutcher Breed and Storgaard) 1894. Oct. (*Nat. introd. forage pl.*).
*Publ.*: Mai 1894, cover, p. [1]-208, *pl. 1-55* (on numbered pages), *pl. 56-58* (photos). *Copy*: HH. – Issued as Bull. no. 40, S. Dakota Agr. Coll., Brookings 1894.

**17.792.** South Dakota Agricultural College ... *Native trees and shrubs* ... Huron S.D. (Huronite, State Printers) 1895. Oct.
*Publ.*: Mai 1895, cover-t.p., p. [95]-123. *Copies*: HH, NY. – Reprinted and to be cited from Bull. 43, S. Dakota Agric. Coll., Brookings p. [95]-123. 1895.

**17.793.** *Grasses and forage plants of the Dakotas* ... Washington (Government Printing Office) 1897. Oct. (*Grass. forage pl. Dakotas*).
*Publ.*: 12 Feb 1897 (p. 2: 8 Dec 1896), p. [1]-47. *Copies*: BR, G(2), HH, M, MO, US. – Issued as Bull. 6, U.S.D.A. Div. Agrostol. 1897.

**Williamson, Herbert Bennett** (1860-1931), Australian school teacher and botanist; teacher at various schools in Victoria until 1908, from then on head master at several Victorian State Schools, ultimately at the Dandenong State School 1922-1925. (*H.B. Williamson*).

HERBARIUM and TYPES: Material at A, E, F, K, MEL, MO, NH, NSW.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 501 (b. 10 Jun 1860, d. 30 Jan 1931); Bossert p. 437; HR.

BIOFILE: Anon., J. Bot. 69: 172. 1931 (obit. not.); Victorian Naturalist 47: 168, 203. 1931, 57: 24. 1940.
C.B., Victorian Naturalist 47: 172-175. 1931 (obit., portr.).
Hall, N., Bot. Eucalypts 135. 1978.
Willis, J., Vict. Natural. 66: 104-105. 1949.

**17.794.** *A revision of the genus Pultenaea* ... Part I. ... Reprinted from Proc. Roy. Soc. Victoria ... 1920. Oct.
*1*: Sep 1920, cover-t.p., p. [210]-224, *pl. 13-15*. *Copies*: NY, US. – Reprinted and to be cited from Proc. R. Soc. Victoria 32(2): 210-224, *pl. 13-15*. 1920.
*2*: Mai 1921 (read 9 Sep 1920; cover-t.p.: Mai 1921), cover-t.p., p. [133]-148, *pl. 6-7*. *Copies*: BR, US. – Id. 33: [133]-148, *pl. 6-7*. 1921.
*3*: 1922. Id. 35: 97-107. 1922.
*4*: Mai 1925, cover-t.p., p. [125]-129, *pl. 16*. *Copy*: BR. – Id. 37(1): [125]-129, *pl. 16*. 1925.
*5*: 21 Apr 1928, cover-t.p., p. [57]-61. *Copy*: BR. – Id. 40(2): [57]-61. 1928.

**17.795.** *A contribution to the genus Grevillea* ... Reprinted from The Victorian Naturalist [Melbourne 1927]. Oct.
*Publ.*: Sep 1927, p. 139-142. *Copy*: G. – Reprinted and to be cited from Vict. Natural. 44: 139-142. 1927.

**Williamson, John** (1839-1884), British-born self-taught botanist and etcher, settled in Louisville, Ky 1867 as a wood carver, later in a foundry for ornamental brass-work. (*J. Williamson*).

HERBARIUM and TYPES: Unknown. – *Letters* at NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 501; BM 5: 2328; Bossert p. 437; Desmond p. 664 (b. 23 Jul 1839, d. 17 Jun 1884); Jackson p. 359, 363; Lenley p. 437; Morren ed. 10, p. 121; NI 2162.

BIOFILE: Anon., Bot. Gaz. 11: 128. 1886.
Davenport, G.E., Bot. Gaz. 9: 122-126. 1884 (obit.); Fern Bull. 8(1): 1-5. 1900 (biogr.).
Gray, A., Amer. J. Sci. 129: 172. 1885 (obit. not.).
Kelly, R.M., Southern Bivouac 1886 (March): 626-638 (extensive obit.).
Redfield, J.H., Bull. Torrey bot. Club 11: 104-105. 1884 (obit.).
Rickett, H.W., Index Bull. Torrey bot. Club 105. 1955.
Tilton, G.H., The fern lovers companion 215. 1922.

**17.796.** *Ferns of Kentucky* with sixty full-page etchings and six wood cuts, drawn by the author, illustrating structure, fertilization, classification, genera, and species ... Louisville, Ky. (Printed by John P. Morton & Co., ...) 1878. Oct. (in 4-s). (*Ferns Kentucky*).
*Publ.*: Mai-Jun 1878 (p. v: 16 Mai 1878; TBC Jun 1878; Bot. Gaz. Aug 1878), p. [i]-v,

6-154, *pl. 1-60* (uncol. etchings transferred to lith. stone). *Copies*: G, HH, MICH, MO, NY, PH, US, USDA; IDC 7324.

**17.797.** *Fern etchings* ... Louisville, Ky. (printed by John P. Morton and Company, ...) 1879. (*Fern etch.*).
*Ed.* [*1*]: 1879 (Nat. Nov. Jun(1) 1879), p. [i-vii], *pl. 1-65* with text (uncol. etch.). *Copy*: HH.
*Ed. 2*: 1879, frontisp., p. [i-ix], *pl. 1-65* id. *Copies*: MICH, NY. – *Fern etchings*: illustrating all the species of ferns indigenous to the northeastern United States and Canada. Second edition ... Louisville, Ky. (id.). 1879.
*Ref.*: Robinson, J., Bot. Gaz. 4: 233-234. Nov 1879 (rev.).

**Williamson, William Crawford** (1816-1895), British surgeon, naturalist and palaeobotanist; curator Museum Manchester Natural History Society 1835-1838; studied medicine at University College, London 1839-1840; MRCS 1840; surgeon at a Manchester dispensary 1841-1868; professor of biology and geology, Owens College, Manchester from 1851, professor of botany 1880-1892. (*W.C. Williamson*).

HERBARIUM and TYPES: Fossil plant slides at BM; herbarium collections not traced. – *Letters* at FH, G, GH, K.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 399; Barnhart 3: 501; BB p. 329; BJI 1: 63; BM 8: 1438; Bossert p. 437; CSP 6: 380-381, 8: 1245-1246, 11: 817-818, 19: 638-639; Desmond p. 664 (b. 24 Nov 1816, d. 23 Jun 1895); De Toni 2: cxxii, 4: lix; DNB 62: 9-12 (16: 480-483); DSB 14: 396-399 (H.N. Andrews); Jackson p. 178; NI 2163, 2163n; Quenstedt p. 462; TL-2/939, G. Saporta; Tucker 1: 747, 2: xl.

BIOFILE: Andrews, H.C., The fossil hunters 14, 71, 88-95. 1980.
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EPONYMY: *Williamsonia* W. Carruthers (1870, also honors W.C. Williamson's father, John) as well as the derived genus name *Williamsonianthus* R. Kräusel et F. Schaarschmidt (1966); *Williamsoniella* H.H. Thomas (1915).

**17.798.** *On the structure of the woody zone of an undescribed form of Calamite* ... London (printed by Taylor and Francis ...) 1869. Oct.
*Publ.*: 1869 (read 3 Nov 1868), cover-t.p., p. [155]-183, *pl. 1-5*. *Copy*: NY. – Reprinted and to be cited from Mem. Manchester Lit. Philos. Soc. ser. 3. 4: 155-183, *pl. 1-5*. 1869.

**17.799.** *Contributions towards the history of Zamia Gigas*, Lindl. & Hutt. ... Extracted from the Transactions of the Linnean Society of London, ... [1870]. Qu.
*Publ.*: 21 Mai 1870 (in journal), p. [663]-674, *pl. 52-53* (uncol. auth.). *Copies*: HH, US. – Reprinted and to be cited from Trans. Linn. Soc. London 26(4): [663]-674, *pl. 52-53*. 1870.

**17.800.** *On the organization of the fossil plants of the Coal-measures*. – Part i. *Calamites* ... [Phil. Trans. R. Soc. 161, 1871]. Qu.
*Series*: 19 papers in Phil. Trans. R. Soc. ["Trans."] 1871-1893. *Copies* of reprints: BR, NY.
*1*: 1871 (read 26 Jan 1871), p. 477-510, *pl. 13-29*. – Trans. 161: 477-510, *pl. 13-29*. 1871 (volume as a whole publ. 1872). – *Calamites*. – *Prelim. publ.*: Proc. R. Soc. 19: 268-272. 1871. – Also: Ann. Mag. nat. hist. 7: 299-302. 1871.
*2*: 1872 (read 15 Jun 1871), p. 197-240, *pl. 24-31*. – Trans. 162: 197-240, *pl. 24-31*. – *Lycopodiaceae*: Lepidodendron and Sigillariae. – *Prelim. publ.*: Proc. R. Soc. 19: 500-504. 1871. – Also: Ann. Mag. nat. Hist. 8: 134-138. 1871.
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*4*: 1873 (read 19 Dec 1872), p. 377-408, *pl. 22-31*. – Trans. 163(1): 377-408, *pl. 22-31*. 1873. – *Dictyoxylon*, *Lyginodendron*, and *Heterangium*. – *Prelim. publ.*: Proc. R.Soc. 21: 86-90. 1870.
*5*: 1874 (read 19 Jun 1873), p. 41-81, *pl. 1-9*. – Trans. 164(2): 41-81, *pl. 1-9*. 1874. – *Asterophyllites*. – *Prelim. publ.*: Proc. R. Soc. 21: 394-398. 1873. – See also Monthly microsc. J. 10: 129-133. 1873.
*6*: 1874 (read 26 Mar 1874), p. [675]-703, *pl. 51-58*. – Trans. 164(2): 675-703, *pl. 51-58*. 1874. – *Ferns*. – *Prelim. publ.*: Proc. R. Soc. 22: 248-251. 1874.
*7*: 1875 (read 10 Jun 1875), p. [1]-25, *pl. 1-7*. – Trans. 166(1): 1-25. 1875. – *Myelopteris*, *Psaronius and Kaloxylon*. – *Prelim. publ.*: Proc. R. Soc. 23: 452-455. 1875.
*8*: 1876 (read 18 Mai 1876), p. [213]-270, *pl. 5-16*. – Trans. 167(1): 213-270, *pl. 5-16*. 1876. – *Ferns* (ctd.) *and Gymnospermous stems and seeds*. – *Prelim. publ.*: Proc. R. Soc. 25: 68-73. 1876. – See also Ann. Mag. nat. hist. 18: 248-273. 1876.
*9*: 1878 (read 15 Nov 1877), p. [i-ii], [319]-364, *pl. 19-25*. – Trans. 169(2): 319-364. – *Prelim. publ.*: Proc. R. Soc. 26: 411-415. 1878. "On the latest researches ..."
*10*: 1880 (read 27 Mar 1879; Bot. Zeit. 28 Jan 1881 as of "1880"), p. [i-ii], [493]-539, *pl. 14-21*. – Trans. 171(2): 493-539, *pl. 14-21*. 1880. – "Including an examination of the supposed Radiolarians of the Carboniferous Rocks". – *Prelim. publ.*: Proc. R. Soc. 1879: 445-449.
*11*: 1881 (p. 305: 23 Jan 1881; Bot. Zeit. 31 Mar 1882 (as of 1882), p. [i-ii], [283]-305, *pl. 47-54*. – Trans. 172(2): 283-305, *pl. 47-54*. 1881. – *Prelim. publ.*: Proc. R. Soc. 30: 550-551. 1880. – See also Nature 22: 281-282. 1880.
*12*: 1883, p. [i-ii], 459-475, *pl. 27-34*. – Trans. 174(2): 459-475, *pl. 27-34*. 1883. – *Prelim. publ.*: Proc. R. Soc. 34: 31-35. 1883.
*13*: Oct 1887 (mss. revised Mai 1887; printed 30 Sep 1887; Bot. Zeit. 25 Nov 1887), p. [289]-304, *pl. 21-24*. – Trans. 178: 289-304, *pl. 21-24*. 1887 (volume as a whole 1888). – *Heterangium Tillaeoides* ... and *Kaloxylon Hookeri*.
*14*: 1888 (printed 6 Feb 1888), p. 47-57, *pl. 8-11*. – Trans. 179: 47-57, *pl. 8-11*. 1888. – The true fructification of *Calamites*.
*15*: Apr 1889 (read 21 Jun 1888, printed 2 Apr 1889; Bot. Zeit. 26 Apr 1889), p.155-168, *pl. 1-4*. – Trans. 180: 155-168, *pl. 1-4*. 1889 (volume as a whole 1890).

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*17*: Nov-Dec 1890 (read 13 Mar 1890, printed 10 Nov 1890), p. 89-106, *pl. 12-15*. 1891. – Trans. 181: 89-106. *pl. 12-15*. 1891.
*18*: 1891 (read 12 Feb 1891, printed 3 Jun 1891), p. 255-265, *pl. 25-28*. – Trans. 182: 255-265, *pl. 25-28*. 1892 (volume as a whole 1892).
*19*: 1893 (printed 27 Feb 1893), p. [1]-38, *pl. 1-9*. – Trans. 184: 1-38. 1893.
*Index*: 1891-1894. – *General morphological and histological index to* the author's collective memoirs on *the fossil plants of the Coal measures*. Parts 1-3, Manchester (36 George Street) 1891-1894. Oct., 3 parts. (*Index foss. pl. Coal meas.*). *Copy*: BR.
*1*: 1891, cover-t.p., p. [1]-16. – Reprinted or preprinted from Mem. Manch lit. philos. Soc. 4: 53-68. 1891.
*2*: 1893, cover-t.p., p. [1]-37. – Id. 7: 91-127. 1893.
*3*: 1894, cover-t.p., p. 54-74. – Id. 8: 54-74. 1894.

**17.801.** *Coal and coal plants*: a lecture delivered in the City Hall, Glasgow, ... London and Glasgow (William Collins, Sons & Company) 1876. Oct. (*Coal coal pl.*).
*Publ.*: 1876, p. [1]-35. *Copy*: HH.

**17.802.** *Sphenophyllum, Asterophyllites, and Calamites*, deren Stellung zu einander nach den letzten Beobachtungen ... [Separat-Abdruck aus dem Neuen Jahrbuch für Mineralogie, ... 1879]. Oct.
*Publ.*: 1879, p. [i, recto of 256], [256]-259. *Copy*: BR. – Reprinted and to be cited from Neu. Jahrb. Mineral. 1879: 256-259. – Followed on p. 260-264 by further comments on this subject by E. Weiss.

**17.803.** Royal Institution of Great Britain ... *On some anomalous Oolitic and Palaeozoic forms of vegetation* ... [Proceedings ... 1884]. Oct.
*Publ.*: 1884 (read 16 Feb 1883; Proceedings volume 1884; preprinted 1883?), p. [1]-13. *Copy*: BR. – Preprinted or reprinted from Proc. R. Inst. Gr. Brit. 10: 220-232. 1884.

**17.804.** *On the morphology of Pinites oblongus* (Abies oblonga of Lindley and Hutton) ... London (printed by Taylor and Francis, ...) 1886. Oct.
*Publ.*: 1886, cover-t.p., p. [189]-194, *pl. 9*. *Copy*: HH. – Reprinted and to be cited from Mem. Manch. Lit. philos. Soc. ser. 3. 10: 189-194, *pl. 9*. 1886.

**17.805.** *On the relations of Calamodendron to Calamites* ... London (printed by Taylor and Francis, ...) 1887. Oct.
*Publ.*: Jan-Mai 1887 (t.p. reprint, p. 271: 1 Oct 1886; Bot. Zeit. 29 Apr 1887), cover-t.p., p. [257]-271, *pl. 14-16*. *Copy*: BR. – Reprinted and to be cited from Mem. Manch. lit. philos. Soc. ser. 3. 10: 257-271, *pl. 14-16*. 1887.

**17.806.** *A monograph on the morphology and histology of Stigmaria ficoides* ... London (printed for the Palaeontographical Society) 1887. Qu. (*Monogr. Stigmaria ficoid.*).
*Publ.*: 1887 (p. iv: 2 Oct 1886; Bot. Zeit. 24 Jan 1887), p. [i*-ii*], [i]-iv, [1]-62, *pl. 1-15* with text. *Copies*: BR, G; IDC 219. – The Palaeontographical Society volume for 1886, publ. 1887.
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**17.807.** *Further observations on the organization of the fossil plants of the Coal-measures* ... London (published for the Royal Society) 1895-1896. 3 parts. Qu. (*Furth. observ. foss. pl. Coal-meas.*).
*Co-author*: Dukinfield Henry Scott (1854-1934), see TL-2/457-461.
*1* (*Calamites, Calamostachys and Sphenophyllum*): Feb 1895 (printed 7 Feb 1895), cover-t.p., p. 863-959, *pl. 72-86*. – Preprinted from Philos. Trans. R. Soc. 185B: 863-959. *pl. 72-86*. 1895. – *Abstract*: Proc. R. Soc. 55: [117]-124. 1894.
*2* (*The roots of Calamites*): Dec 1895 (preprinted 18 Dec 1895), cover-t.p., p. 683-701, *pl. 15-17*. – Id. 186B: 683-701, *pl. 15-17*. 1896.
*3* (*Lyginodendron and Heterangium*): Apr 1896 (printed 9 Apr 1896; Bot. Zeit. 16 Dec 1896),

cover-t.p., err. slip, p. 703-779, *pl. 18-29*. – Id. 186B: 703-779, *pl. 18-29*. 1896. – *Abstract*: Proc. R. Soc. 58: 195-204. 1895.
*Copies*: B, U.

**Willich, Christian Ludwig** (1718-1773), German (Rügen/Pommerian) botanist and physician; Dr. phil. Göttingen 1747; physician at Nordheim. (*Willich*).

HERBARIUM and TYPES: B (mainly destr.).

BIBLIOGRAPHY and BIOGRAPHY: BJI 2: 192; BM 5: 2328; Dryander 3: 77; Herder p. 149; LS 29009-29017, 40608-40609; PR 10295-10297, ed. 1: 11274-11276; Rehder 5: 923; TL-2/8836; Urban-Berl. p. 410 (herb. at B).

BIOFILE: Anon., Bot. Zeit. 28: 359. 1870 (herb. "Weiss und Willich" for sale); Cat. gén. livr. impr. Bibl. natl. 224: 240-241. 1976.

EPONYMY: *Willichia* Mutis ex Linnaeus (1771) very likely honors this author but no etymology was given.

**17.808.** *Observationes botanicae et medicae* quas praeside viro illustri Dr. Alberto Haller, ... pro gradu doctoris defendet Christian Ludovic. Willig [sic], Rugianus. In Georgia Augusta d. ix. August. mdccxxxxvii. Gottingae [Göttingen] (apud Abram Vandenhoeck, Acad. Typogr.) [1747]. Qu. (*Observ. bot. med.*).
*Publ.*: 9 Aug 1747, p. [i-iv], [1]-22, [32], *1 pl. Copy*: NLM.

**17.809.** *De plantis quibusdam observationes* ... Gottingae [Göttingen] (sumtibus viduae Abrami Vandenhoeck) 1762. Oct.
*Publ.*: 1762 (NZgS 2 Jun 1763), p. [i-iv], [1]-76. *Copies*: B-S, L-UB, NSUB. – Reprinted in J.J. Reichard, *Syll. opusc. bot.* 1782 (TL-2/8836), p. 94ff.

**17.810.** Christiani Ludov. Willich, medici nordheimensis, *illustrationes quaedam botanicae* celeberrimo viro Nicol.-Jos. Jacquin dicatae. Gottingae [Göttingen] (Sumt. viduae Abrami Vandenhoeck) 1766. Oct. (*Ill. bot.*).
*Publ.*: 1766 (p. [3]: Jan 1766), p. [1]-55. *Copies*: L-UB, NY. – Reprinted in J.J. Reichard, *Syll. opusc. bot.* 1782 (TL-2/8836), p. 142ff. – Followed by a reprint of his *Circa plantas quasdam singularia aliqua notata*, Nova Acta Leop. 4: 104ff.

**Willis, John Christopher** (1868-1958), British botanist; studied at University College, Liverpool and at Gonville and Caius College (M.A.), Cambridge; Frank Smart Student for Botanical Research 1890-1893; senior asistant in botany and lecturer in botany at Queen Margaret's College, Glasgow University 1894-1896; director Royal Botanical Gardens, Ceylon 1896-1911; director Botanic Garden, Rio de Janeiro 1912-1915; in retirement working at Cambridge and, later, at Montreux, Switzerland. (*Willis*).

HERBARIUM and TYPES: Material at CGE, K, PDA. – See also Kent and Allen (1984). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: BB p. 329; BFM 2362, 2673; BL 1: 94, 96, 98, 2: 10, 296, 732; BM 8: 1438; CSP 19: 640; Desmond p. 664; Langman p. 807; Lenley p. 437; MW suppl. p. 395; PH 567; TL-2/15.157, see H. Trimen; Tucker 1: 336, 470, 747-748.

BIOFILE: Anon., Bot. Centralbl. 67: 96. 1896 (app. Ceylon), 90: 176. 1902 (tour England, U.S., Japan), 119: 336. 1912 (app. Rio de Janeiro); Bull. misc. Inf. Kew 1896: 186 (app. Ceylon); Cat. gén. livr. impr. Bibl. natl. 224: 278-279. 1976; Index Amer. bot. lit. 1886-1966. 4: 547. 1969; Nature 151: 247. 1943 (75th birthday); Nat. Nov. 18: 442. 1896 (app. Ceylon), 34: 234. 1912 (app. Rio de Janeiro); Österr. bot. Z. 46: 343. 1896 (app. Ceylon), 62: 151. 1 Mar 1912 (app. Rio de Janeiro); Trop. Life 1906: 120 (portr.); Who's who (London) 1912-1957; Who was who (London) 5: 1176. 1951-1960.
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Willis, J.C., Ann. R. Bot. Gard. Peradenia 1: 12-14. 1902.
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(2) *Official hand-guide to the Royal Botanic Gardens, Peradeniya*, ed. 5, Colombo 1898.
(3) With J.S. Gardiner, *The botany of the Maldive Islands*, Ann. R. Bot. Gard., Peradeniya 1: 45-164. 1901.
(4) *Agriculture in the tropics*, ed. 2, 1914, Cambridge.
(5) *Tropical exploitation*, with special reference to rubber, *in* F.W. Oliver, ed., *The exploitation of plants*, 1917, p. 62-82.

NOTE: Outside our period: *The birth and spread of plants*, originally issued as Boissiera 8, 1949, reprinted by The Chronica Botanica Company, Waltham, Mass., U.S.A., p. [i]-x, [xi], [1]-561. *Copy*: MICH.

EPONYMY: *Willisia* Warming (1901). *Note*: *Willisia* J.A. Wolfe (1968) honors Bailey Willis (1857-1949), American geologist.

**17.811.** *Contributions to the natural history of the flower* I [-II] ... London (printed for the Linnean Society ...) 1893 [-1894]. Oct.
*1*: 28 Aug 1893, cover-t.p., p. [51]-63, *pl. 3*. – Reprinted and to be cited from Linn. Soc. J., Bot. 30: 51-63, *pl. 3*. 1893.
*2*: 6 Oct 1894, p. [284]-298, *pl. 18-19*. – Id. 30: 284-298, *pl. 18-19*. 1894.
*Copies*: B, G, H.

**17.812.** *The natural history of the flower* ... Reprinted from "Natural Science, ... 1894. Oct.
*Publ.*: Mai 1894, cover-t.p., p. [347]-352. *Copies*: B, G. – Reprinted and to be cited from Nat. Sci. 4(27): 347-352. 1894.

**17.813.** *Observations on the flora of pollard willows near Cambridge*, ... [Extracted from the Proceedings of the Cambridge philosophical Society [1894]]. Oct. (*Observ. fl. pollard willows*).
*Co-author*: Isaac Henry Burkill (1870-1965).
*Publ.*: 1894 (read 15 Mai 1893; reprint Bot. Zeit. 1 Apr 1894) cover-t.p., p. [i, recto of p. 82], 82-88, [89-92]. *Copies*: B, H, HH, MO. – Preprinted or reprinted from Proc. Cambr. philos. Soc. 8(2): 82-88, [89-92]. 1894.

**17.814.** *A manual and dictionary of the flowering plants* and ferns .... Cambridge (at the University Press) 1892. 2 vols. Oct. (*Man. dict. fl. pl.*).
*Ed.* [*1*]: Dec 1896 or Jan 1897 (Bot. Zeit. 2 vols., 1 Mar 1897; Bot. Centralbl. 2 vols. 3 Feb 1897; J. Bot. Mar 1897 (rev.); Nat. Nov. Jan(2) 1897). *Copies*: MO, US, USDA. – *Review*: A.B. Rendle, J. Bot. 35: 109-110. 1897.
*1*: 1897 (p. ix: Aug 1896), p. [i]-xiv, [1]-224.
*2*: 1897, p. [i]-xiii, [1]-429.
*Ed. 2*: Jan-Mar 1904 (p. ix: 17 Nov 1903; Bot. Zeit. 16 Mai 1904; Bot. Centralbl. 12 Apr 1904; J. Bot. Mai 1904; BSbF 11 Mar 1904), p. [i]-xii, [1]-670. *Copies*: B-S, NY, Rensselaer Polyt. Inst. – *Review*: J. Bot. 57: 229-230. 1919.

*Ed. 3*: 1908 (p. ix: Dec 1907; Bot. Centralbl. 15 Sep 1908; Nat. Nov. Jun(2) 1908), p. [i]-ii, map, [iii]-xii, [1]-712. *Copies*: HH, NY.
*Ed. 3* (reprint): 1914, p. [i]-xii, [1]-712. *Copies*: LIV, USDA.
*Ed. 4*: 1919 (p. vii: 4 Apr 1919), p. [i]-xii, [1]-712, [i]-liv, lv. *Copies*: H, HH, MO, PH, US, USDA. *A dictionary of the flowering plants and ferns* ... fourth edition revised and rewritten ... Cambridge (id.) 1919. Oct. (*Dict. fl. pl.*).
*Ed. 5*: 1925 (p. vii: 24 Mar 1925; NY rd. by 25 Nov 1925; ÖbZ for Jun-Sep 1925; Nat. Nov. Sep 1925), p. [i]-xii, [1]-727, [728], [i*]-liv*, key, [lv*, index, colo.]. *Copies*: MO, NY.
*Ed. 6*: 1931 (p. vii: Jan 1931), p. [i]-xii, [1]-752, [i]-liv, [lv]. *Copies*: LIV, MO, US, USDA.
*Ed. 6* (reprint): 1948.
*Ed. 6* (reprint): 1951, p. [i]-xii, [1]-752, [i]-liv, [lv]. *Copies*: FAS, HH, MO, NY, USDA.
*Ed. 6* (reprint): 1955, p. [i]-xii, [1]-752, [i]-liv, [lv]. *Copies*: HH, MO.
*Ed. 6* (reprint): 1957, p. [i]-xii, [1]-752, [i]-liv, [lv]. *Copies*: LIV, USDA.
*Ed. 6* (reprint): 1960, p. [i]-xii, [1]-792, [i]-liv, [lv]. *Copies*: G, MO, USDA.
*Ed. 7*: 29 Dec 1966, p. [i]-xxii, 1-1214, [i]-liii. *Copies*: FAS, G, H, NY, PH. – *A dictionary of the flowering plants and ferns* ... seventh edition revised by H.K. Airy Shaw. Cambridge (id.) 1966. (Reviews: B.L. Burtt, Notes R.B.G. Edinb. 28(1): 87-88. Sep 1967; F.G. Meyer, Science 157: 674. 11 Aug 1967; F.A. Stafleu, Taxon 16: 333-334. Aug 1967; C.G.G.J. van Steenis, Fl. males. Bull. 22: 1586-1590. 1968 ("the author has been driven by a desire to innovate"); G. Wagenitz, Bot. Jahrb. 87 (Lit.): 35-36. 1967).
*Ed. 8*: 1973, p. [i]-xxii, 1-1245, [i]-lxvi. *Copies*: G, H. –Contrary to ed. 7 which is still called "A dictionary ... by *J.C. Willis*", the 8th ed. has "the late J.C. Willis".
*Note*: F.N. Howes, *A dictionary of useful and everyday plants* and their common names, Cambridge 1974, x, 290 p., is based on ed. 6,1931 of Willis's *Manual*.

**17.815.** *A handbook of the vegetable economic products of Ceylon*, native, cultivated, or imported ... Colombo (H.C. Cottle, ...) 1901 et seq. [i.e. 1901]. Oct. †. (*Handb. veg. econ. prod.*).
*Co-author*: Herbert Wright.
*Publ.*: Nov 1901, (p. 25 Oct 1901), p. [i-ii], [1]-56. *Copies*: HH, PH. – Issued as Ann. R. Bot. Gard. Peradeniya suppl. 1 (1). – Remained incomplete.

**17.816.** *The geographical distribution of the Dilleniaceae* as illustrating the treatment of this subject on the theory of mutation ... Peradeniya ... 1907. Oct.
*Publ.*: Oct 1907, cover-t.p., p. [69]-77. *Copy*: G. – Reprinted and to be cited from Ann. R. Bot. Gard. Peradeniya 4(2): 69-77. 1907.

**17.817.** *Some evidence against the theory of the origin of species* by natural selection of infinitesimal variations, and in favour of origin by mutation ... Colombo (H.C. Cottle, ...) London (Dulau & Co., ...) 1907. Oct.
*Publ.*: Mai 1907, cover-t.p., p. [1]-15. *Copy*: B. – Reprinted and to be cited from Ann. R. Bot. Gard. Peradeniya 4(1): [1]-15. 1907. – *Further evidence* ... ib. 4: 17-19. 1907. – See also his *The flora of hilltops in Ceylon* ... in 4: 131-138. 1908.

**17.818.** *The flora of Naminakulikanda*, a somewhat isolated mountain in the province of Uva ... Reprinted from the "Annals of the Royal Botanical Gardens, Peradeniya", ... 1911. Oct.
*Publ.*: Dec 1911, cover-t.p., p. 217-222. *Copy*: G. – Reprinted and to be cited from Ann. R. Bot. Gard. Peradeniya 5(3): 217-222. 1911.

**17.819.** *Corrections and additions to Trimen's "Flora of Ceylon"*, 1893-1911 ... Reprinted from the "Annals of the Royal Botanic Gardens, Peradeniya, " ... 1911. Oct.
*Co-author*: Albert Malins Smith (1879-1962).
*Publ.*: Dec 1911, cover-t.p., p. [175]-214. *Copies*: G, NY. – Reprinted and to be cited from Ann. R. Bot. Gard., Peradeniya 5(3): [175]-214. 1911.

**17.820.** *A revised catalogue of the indigenous flowering plants* and ferns *of Ceylon* ... Colombo (H.C. Cottle, ...) 1911. Oct. (*Revis. cat. pl. Ceylon*).

*Publ.*: Sep 1911 (Öbz for Sep 1911; Nat. Nov. Oct(1) 1911; Hedwigia 28 Nov 1911; NY rd. Nov 1911; Bot. Centralbl. 16 Jan 1912), p. [i-ii], [1]-188. *Copies*: BR, HH, M, MO, NY, PH. – Peradeniya manuals of botany, entomology, agriculture, and horticulture no. 2. – Original *catalogue* by H. Trimen 1885 (q.v.). – The cover has "A revised ... Ceylon, native and introduced. By J.C. Willis, ... and M. Willis [Mrs. J.C. Willis, Minnie Baldwin, d. 1931).

**17.821.** *On the lack of adaptation in the Tristichaceae and Podostemaceae* ... Reprinted from the Proceedings of the Royal Society, ... [1914]. Oct.
*Publ.*: 1914 (read 30 Apr 1914), cover-t.p., p.[532]-550. *Copies*: B, NY. – Reprinted and to be cited from Proc. R. Soc. B87: [532]-550. 1914. – Earlier major publications on Podostemaceae: (1) *A revision of the Podostemaceae of India and Ceylon*, Ann. R. Bot. Gard., Peradeniya 1: 181-250. 1902 and (2) *Studies in the morphology and ecology of the Podostemaceae of Ceylon and India*, ib. 1: 267-465. 1902.

**17.821a.** A new natural family of flowering plants – *Tristichaceae* ... [Extracted from the Linnean Society's Journal-Botany, ... 1915]. Oct.
*Publ.*: 1915, p. [49]-54. *Copy*: B. – Reprinted and to be cited from J. Linn. Soc., Bot. 63: [49]-54. 1915.

**17.822.** *The origin of the Tristichaceae and Podostemaceae* ... Annals of Botany, ... 1915. Oct.
*Publ.*: Apr 1915, cover-t.p., p. 299-306. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 29: 299-306. 1915.

**17.823.** *The evolution of species in Ceylon* ... with reference to the dying out of species ... Annals of Botany, ... 1916. Oct.
*Publ.*: Jan 1916, cover-t.p., p. [1]-23. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 30: [1]-23. – Review: A. Arber, Bot. Centralbl. 132: 235-236. 29 Aug 1916.
*Preceded by*: *The endemic flora of Ceylon*, Philos. Trans. R. Soc. B 206: 307-342. 1915, with a correction ib. 89: 257. 1916. – This paper contains the hypothesis of *Age and area*. – Criticism of the hypothesis by Sinnott, in Ann. Bot. 31: 209. 1917 and Science 46: 457. 1917.

**17.824.** *The distribution of species in New Zealand* ... Annals of Botany, ... 1916. Oct.
*Publ.*: Jul 1916, cover-t.p., p. [437]-457. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 30: 437-457. 1916. – Detailed *review*: Hugo de Vries, Science ser. 2. 45(1173): 641-642. 22 Jun 1917; author's *summary*: Bot. Centralbl. 134: 318-319. 1917.

**17.825.** *The relative age of endemic species* and other controversial points ... Annals of Botany ... 1917. Oct.
*Publ.*: Apr 1917, cover-t.p., p. [189]-208. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 31(122): 189-208. 1917.

**17.826.** *Further evidence for age and area*; its applicability to the ferns, etc. ... Annals of Botany ... 1917. Oct.
*Publ.*: Jul-Oct 1917, cover-t.p., p. 335-349. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 31(123-124): 335-349. 1917. – The *Age and Area* hypothesis was first proposed by Willis in his *The endemic flora of Ceylon* 1916 (see above under *Evol. sp. Ceylon* 1916).

**17.827.** *The distribution of the plants of the outlying islands of New Zealand* ... Annals of Botany ... 1917. Oct.
*Publ.*: Jul-Oct 1917, cover-t.p., p. [327]-333. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 31(123-124): 327-333. 1917.

**17.828.** *The sources and distribution of the New Zealand flora*, with a reply to criticism ... Annals of Botany ... 1918. Oct.
*Publ.*: Jul 1918, cover-t.p., p. [339]-367. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 32(127): 339-367. 1918. – Reply to Sinnott's criticism in Ann. Bot. 31: 209. 1917, Science 46: 457. 1917.

**17.829.** *The flora of Stewart Island* (New Zealand): A study in taxonomic distribution ... Annals of Botany ... 1919. Oct.
*Publ.*: Jan 1919, cover-t.p., p. [23]-46. *Copies*: B, NY. – Reprinted and to be cited from Ann. Bot. 33(129): 23-46. 1919.

**17.830.** *The floras of the outlying islands of New Zealand* and their distribution ... Annals of Botany, ... 1919. Oct.
*Publ.*: Jul 1919, cover-t.p., p. [267]-293. *Copy*: NY. – Reprinted and to be cited from Ann. Bot. 33: 267-293. 1919.

**17.831.** *Endemic genera of plants* in their relation to others ... Annals of Botany, ... 1921. Oct.
*Publ.*: Oct 1921, p. [493]-512. *Copy*: NY. – Reprinted and to be cited from Ann. Bot. 35: 493-512. 1921.

**17.832.** *Age and area* a study in geographical distribution and origin of species ... Cambridge (at the University Press) 1922. Oct. (*Age and area*).
*Authorship*: Author J.C. Willis with chapters by Hugo de Vries, H.B. Guppy, Mrs E.M. Reid and James Small. – "[These authors are not committed by writing these chapters, to the support of all the doctrines here advanced]".
*Publ.*: 1922 (p. vii: 4 Apr 1922; ÖbZ for Mai-Sep 1922; PH received 27 Nov 1922), p. [i]-x, [1]-259, [260, colo.]. *Copies*: BR, G, H, HH, MO, NY, PH.
*Facsimile ed.*: 1970, A. Asher & Co. Ltd., Vaals. – Amsterdam 1970, p. [i]-x, [1]-259. – *Copies*: FAS, NY. – ISBN 90-6123-202-3. – See Taxon 20: 371. 1971.
*Ref.*: Rendle, A.B., J. Bot. 60: 306-307. 1922 (rev.).
Vries, Hugo de, J. Heredity 14(4): 165-170. 1923 (rev.).
Willis, J.C., Ann. Bot. 37: 193-215. 1923; Quart. Rev. Biol. 1(4): 553-571. 1926.

**17.833.** *The origin of species* by large, rather than by gradual change, and by Guppy's method of differentiation ... Annals of Botany, ... 1923. Oct.
*Publ.*: Oct 1923, cover-t.p., p. [605]-628. *Copy*: NY. – Reprinted and to be cited from Ann. Bot. 37: 605-628. 1923.

**17.834.** *The evolution of the Tristichaceae and Podostemaceae* I. ... Annals of Botany, ... 1926. Oct.
*Publ.*: Apr 1926, cover-t.p., p. [349]-367, *pl. 13*. *Copy*: NY. – Reprinted and to be cited from Ann. Bot. 40: 349-367, *pl. 13*. 1926.

**17.835.** *The course of evolution* by differentiation or divergent mutation rather than by selection ... Cambridge (at the University Press) 1940. Oct. (*Course evol.*).
*Publ.*: 1940 (p. viii: 25 Mar 1940), p. [i]-viii, [1]-207. *Copies*: BR, G, HH, NY.
*Facsimile ed.*: 1974, Hafner Press, New York, London, p. [i]-xvi, [1]-207. *Copies*: FAS, NY. – On p. v-xiii: Introduction to the reprint edition, by W. Wayne Moss, Alfred E. Schuyler. – ISBN 0-02-854860-4. – See Taxon 24: 688. 1975.
*Ref.*: Ramsbottom, J., J. Bot. 79: 134-136. 1941 (rev.).

**Willis, Oliver Rivington** (1815-1902), American school teacher and botanist; some time residing in New Jersey, later in the New York area, ultimately instructor in botany, physics, and chemistry in the New York Military Academy. (*O.R. Willis*).

HERBARIUM and TYPES: NY. – Other material at BCL, MICH, NHA; also at Bates College, Lewiston, Maine (fide Day 1901). – *Letters* at NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 501 (b. 8 Apr 1815, d. 27 Apr 1902); BL 1: 203, 324; Jackson p. 364; Lenley p. 472; Rehder 5: 924; Tucker 1: 748, 2: xl.

BIOFILE: Anon., J. New York Bot. Gard. 9: 177. 1908 (herb. at NY); Torreya 2(5): 80. 1902 (d.).
Day, M., Rhodora 3: 69. 1901 (pl. Bates College).
Pennell, F.W., Bartonia 21: 57. 1942.

Rickett, H.W., Index Bull. Torrey bot. Club 105. 1955.

COMPOSITE WORKS: Revised and edited Alphonso Wood, *The new American botanist and florist* ... New York (American Book Co.) 1898.

**17.836.** *Compend of botany* .... Freehold (printed for the author) 1854. (*Comp. bot.*).
*Publ.*: 1854 (p. [iii]: Jul 1854), p. [i]-xi, [12]-23. *Copy*: USDA.

**17.837.** *Catalogue of plants* growing without cultivation in the state of *New Jersey*, with a specific description of all the species of violet found therein. Directions for collecting, drying, labelling and preserving botanical specimens, and a description of suitable apparatus therefor. With suggestions to teachers prosecuting the study of botany. To which is added a directory of living botanists of North America and the West Indies ... New York (J.W. Schermerhorn & Co., ...) 1874. Oct. (*Cat. pl. New Jersey*).
*Publ.*: 1874 (p. vi: Apr 1874; TBC Jun 1874), p. [i]-xxii, [1]-71. *Copies*: HH, NY, PH. – Title on cover: *Catalogus plantarum in Nova Caesarea repertarum.*
*Revised ed.*: 1877 (p. [ii]: copyright; TBC Oct 1877; Bot. Gaz. Jan 1878), err. slip, map, p. [i*-ii*], [i]-xxviii, [1]-88. *Copies*: HH, NY, PH, USDA. – New York, Chicago and New Orleans (A.S. Barnes & Co.) s.d. – Also: *Catalogus plantarum in Nova Caesarea repertarum.*

**17.838.** *Flora of Westchester County*, ... New York (Roper & Burdge, ...) [1882]. Oct.
*Publ.*: 1881, cover-t.p., p. [771]-825, [826, err.], 2 p. err. sheet between p. 774-775. *Copies*: HH, MO, NY, PH. – Reprinted and to be cited from Robert Bolton, *The history ... of the county of Westchester* ... ed. 2. 1: 771-826. 1881.
*Additions*: E.G. Britton, Bull. Torrey bot. Club 13: 6-7. 1887, E.H. Day, id. 13: 94-95. 1886, J.W. Martens Jr., id. 16: 123-124. 1889.
*Reprints*: in further reprints of Bolton's History 1893 and 1905.

**17.839.** *A practical flora* for schools and colleges ... New York, Cincinnati, Chicago (American Book Company) [1894]. Oct. (*Pract. fl.*).
*Publ.*: 1894 (copyright on p. [ii]; NY copy rd. 18 Mar 1895; Bot. Centralbl. 28 Aug 1894), p. [i]-xvi, [1]-349. *Copies*: FH, HH, NY, USDA.

**Willkomm, [Heinrich] Moriz** (1821-1895), German (Saxonian) botanist and explorer; studied medicine at the University of Leipzig; Bacc. med. 1844; travelled in Spain and Portugal 1844-1845; studied natural sciences at Leipzig; Dr. phil. 1850; again to Spain 1850-1851; habil. Leipzig 1852; professor and custos of the Leipzig University herbarium 1855; professor of natural history at Tharandt 1855-1868; professor of botany and director of the botanical garden of the University of Dorpat 1868-1873; to Spain and the Balearic Islands 1873-1874; professor of botany and director of the botanical garden of the University of Prague 1874-1892; in retirement continuing his botanical work in Prague. (*Willk.*).

HERBARIUM and TYPES: COI (ca. 10.000 species, 100.000 specimens; main Spanish-Port. herbarium; much orig. material Iberian publ.); general herbarium at GE (14.472). – Further material in B (mainly destr.), BERN, BM, BP, C, CAS, CN, DBN, E, FI, G, G-DC, GE, GOET, HBG (alg.), HEID, K, KIEL, L, LE, LISU (Spanish coll. Paris world fair), LY, LZ (destr.), M, MANCH, MW (1266), P, PH, PR, PRC, TU, W, WRSL. – Library at PRU. – *Letters* to Júlio Henriques, see Fernandes (1978); to D.F.L. von Schlechtendal at HAL, other letters at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 43: 298-300; AG 6(2): 283-284; Ainsworth p. 93, 318; Backer p. 627, 664; Barnhart 3: 501; BFM 1521; Biol.-Dokum. 19: 10064-10065; BJI 1: 64; BL 2: 732 [index]; BM 3: 1055, 5: 2329-2330, 8: 1438-1439; Bossert p. 438; Colmeiro 1: ccv-ccvi; CSP 6: 382-383, 8: 1247; 11: 818, 12: 785; 19: 642; DTS 1: 328-329; Frank 3 (Anh.): 114; Futak-Domin p. 658-660; GF p. 81; GR p. 154; Hegi 6(1): 172; Herder p. 485 [index]; Hortus 3: 1207; IH (ed. 2): 43, 54, (ed. 3): 51, 65, (ed. 6): 366, (ed. 7): 346; Jackson see index; Klásterský p. 204 (b. 29 Jun 1821, d. 26 Aug 1895); KR p. 767; Krempelh. 2: 11; Lipschitz 2: 105-106; LS 29019-29026, 40613; Maiwald p.

285 [index]; Moebius p. 399; Morren ed. 2, p. 14, ed. 10, p. 33; NI 2164-2165; Plesch p. 461; PR 4947, 5624, 10298-10304, 10675, ed. 1: 5471; Ratzeburg p. 507-512 (autobiogr.); Rehder 5: 924; SK 4: ccxix; SO 879; Stevenson p. 1262; TL-1/1426-1432; TL-2/1712, 4042, 5011, and see indexes; TR 1601-1603*; Tucker 1: 748, 2: xl, 3: 336; Urban-Berl. p. 270, 273, 292, 317, 410; Zander ed. 10, p. 733, ed. 11, p. 836-837.

BIOFILE: Anderlind, L., Forstl.-naturw. Z. 1896(3): 89-95. (obit.).

Anon., Berlin, Preuss. Staatsbibl., Inst. Personalbibl. 1850-1935. 534. 1936 (further biogr. refs.); Biogr. Jahrb. deut. Nekrol. 1: 77*. 1897; Bonplandia 1: 241. 1853, 3: 176 (custos LZ), 227, 343 (app. Tharandt). 1855, 8: 384. 1860; Bot. Centralbl. 1-2: 447. 1880 (has sold his Herbarium mediterranearum (10.032 species) to COI), 51: 256 (will retire from professorship PR; life-size portrait), 270 (Hanbury has bought W.'s herb.) 1892, 52: 142-143. 1892 (retirem., decor.), 53: 280. 1893 (library to bot. inst. German Univ. Prague), 63: 351. 1895 (d.); Bot. Zeit. 2: 304. 1844 (left for Spain on 3 Apr), 5: 448. 1847 (collections for sale), 8: 360. 1850 (Dr. phil. Leipzig), 10: 333. 1852 (habil. Leipzig 12 Feb), 10: 646. 1852 (corr. memb. Span. Acad.), 13: 264. 1855 (app. custos LZ), 25: 424. 1867 (app. Dorpat), 28: 648 (call to Marienbrunn, Wien [not realized], 743 (Wiesner to Marienbrunn) 1870, 31: 720. 1873 (app. Prague), 32: 271. 1874 (E. Rossow succeeds W at Dorpat), 53: 312. 1895 (id.); Brit. Mus. gen. cat. print. books 28: 725-727. 1965; Bull. Soc. bot. France 20 (bibl.): 183. 1873 (Prodr. to be continued; W. to Prague); Cat. gén. livr. impr. Bibl. natl. 224: 306-310. 1976; Flora 36: 32. 1852 (habil.), 38: 368 (custos LZ), 700: (app. Tharandt). 1855, 51: 12. (call Dorpat), 268 (F. Nobbe succeeds W. at Tharandt) 1868, 53: 352. 1870 (call to Mariabrunn, Wien [not realized], 56: 431. 1873 (app. Prague); J. Bot. (Morot) 9: 388. 1895 (d.), J. Bot. 30: 256. 1892 (Th. Hanbury donated W.'s general herbarium to GE; 14.472 species, mainly European, many types); Nat. Nov. 14: 341. 1892 (retirem.), 17: 358. 1895 (d.); Österr. bot. W. 5: 149 (custos LZ), 398 (app. Tharandt) 1855; Österr. bot. Z. 23: 328. 1873 (app. Prague), 42: 295. 1892 (GE acquires W.'s general herb.), 45: 407. 1895 (d.); Ottuv slovník naučný 12: 243. 1908.

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Dolezal, H., Friedrich Welwitsch 47, 124, 128, 134, 137. 1974 .

Fernandes, A., Annuár. Soc. Broter. 43: 15-44. 1977 (acquisition herb. for COI), 44: 15-100. 1978 (letters to Júlio Henriquez).

Freyn, J., Österr. bot. Z. 32: 1-6. 1882 (biogr., portr.).

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Schott, A., Allg. bot. Z. 1: 89-92. 1895 (obit., portr.).

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Wettstein, R. v., Lehrkanzel syst. Bot. deut. Univ. Prag 5, 6, 9, 10. 1899; *in* Festschr. 50j. Best. k.k. zool.-bot. Ges. Wien 1901 (portr.).

Willkomm, M., Bot. Zeit. 2: 272. 1844 (will travel to Spain, requests subscriptions), 7: 343-410 (ann. second trip to Spain), 848 (postponement second Spanish journey). 1849, 17: 327. 1859 (will issue a flora of Spain); Flora 32: 703-704. 1849 (will leave for Spain Apr 1850; requests subscriptions to collections); Der k.k. bot. Gart. Prag, Wien 1881 (bibl.); Bot. Centralbl. 39: 176. 1889 (has a collection of 570 species of ferns for sale); Grundz. Pfl.-Verbr. Iber. Halbins. 12-22. 1896.

Wiltshear, G.S., J. Bot. 53: 370-372. 1915 (bibl. notes on W.'s works).

Wittrock, V.B., Acta Horti Berg. 3(2): 147. 1903, 3(3): 156. 1905 (on portr.).

COMPOSITE WORKS: (1) Editor, ed. 3 (1869) and ed. 4 (1887) of *Naturgeschichte des Pflanzenreiches nach dem Linnéschen System* [based on G.H. von Schubert *Lehrbuch der Naturgeschichte* ...], see TL-2/11.202.
(2) Editor, F. Loscos, *Series inconfecta plantarum* ... *Aragoniae* 1863, see TL-2/5011.
(3) G. Kunze, *Chloris austro-hispanica* 1846 (TL-2/4042) is based on Wilkomm's collections. [G. Kunze induced W. to make his first trip to Spain].
(4) Edited and amended E.A. Rossmässler, *Der Wald*, ed. 2, 1870-1871 and ed. 3, 1880-1881, see TL-2/9584.
(5) Introduction and methodological essay to Aglaia von Enderes, *Frühlingsblumen* 1882, see ÖbZ 32: 174. 1882 (came out in 12 Lieferungen, all in 1882).
(6) Collaborator, W.D.J. Koch, *Syn. deut. schweiz. Fl.* ed. 3 (by E. Hallier) 1890 [-1895], see TL-2/3804.

EPONYMY: *Willbleibia* Herter (1953); *Willkommia* Hackel (1888); *Willkommlangea* O. Kuntze (1891, also honors J.M.C. Lange, *q.v.*).

TRAVEL REPORTS FROM SPAIN: *Botanische Berichte aus Spanien*, Bot. Zeit. 2: 555-560, 721-725, 769-772, 817-824, 836-841. 1844, 3: 297-306, 313-319 [no. 8 in series not issued], 737-744, 753-765, 777-786. 1845, 4: 33-42, 49-60, 577-688, 625-629. 1846, see also Ann. nat. Hist. 15: 178-185, 417-419. 1845, 16: 113-122, 189-192, 248-252. 1845, 17: 115-119, 187-196, 263-270, 340-347, 420-429. 1846. – See also his *Die botanischen Gärten von Madrid und Valencia*, Flora 34(1): 129-135. 7 Mar 1851.

HANDWRITING: Candollea 34: 207-208. 1979; Webbia 32(1): 40. 1977.

**17.840.** *Zwei Jahre in Spanien und Portugal.* Reiseerinnerungen ... Dresden und Leipzig (Arnoldische Buchhandlung) 1847, 3 vols. Oct. (*Zwei Jahre Spanien*).
*1*: 1847, p. [i]-xiv, 1-321.
*2*: 1847, p. [i]-viii, 1-352.
*3*: 1847, p. [i]-viii, 1-409, [410, err.].
*Copies*: B-S, NSUB, UC, Univ. Chicago.

**17.841.** *Prospectus d'un voyage en Espagne*, en Portugal et aux Baléares dans l'intérêt des sciences naturelles ... [Leipsic] (imprimé chez Oscar Leiner) 1849. Qu. (*Prosp. voy. Espagne*).
*Publ.*: Jul 1849 (p. 4: 1 Jul 1849; copy G dated by W. 22 Jul 1849), p. [1-4]. *Copy*: G. – Outline of 1850-1851 expedition to Spain etc., original date of departure Sep 1849 [this was later postponed to Apr 1850]. – Similar text in Flora 32: 283-288. 14 Mai 1849 (dated 23 Apr 1849).
*Avertissement* aux amis des sciences naturelles concernant mon nouveau voyage en Espagne et en Portugal. Leipsic (id.) 20 Feb 1850, p. [1-2] (Journey delayed until Apr 1850 due to family circumstances). *Copy*: G. – Similar text in Flora 32: 703-704. 28 Nov 1849.
*Schedulae plantarum itineris hispanici Willkommiani* secundi in collectionibus venalibus completis contentatarum [Druck von Oscar Leiner in Leipzig] s.d., t.p., 600 numbered paragraphs (labels), [i*, colo.]. *Copy*: NY.

**17.842.** *Recherches sur l'organographie et la classification des Globulariées* ... Leipsick [Leipzig] (Gustave Mayer) 1850. Qu. (in 2-s). (*Rech. organ. class. Globular.*).
*Publ.*: Jan-Mar 1850 (Bot. Zeit. 15 Mar 1850; Flora 7 Apr 1850 (rd. Feb-Mar) 1850), p. [1]-32, *pl. 1-4* (1, 4 uncol., 2, 3, partly col. liths. auth.). *Copies*: G, LC, NY. – Thesis for dr. phil. Leipzig.
*Ref.*: Fürnrohr, A.E., Flora 34: 50-60. 28 Jan 1851 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 8: 546-548. 19 Jul 1850 (rev.).

**17.843.** *Sertum florae Hispanicae* sive enumeratio systematica omnium plantarum quas in itinere anno 1850 per Hispaniae provincias boreali-orientales et centrales facto legit et

observavit auctor ... Leipzig (in Commission bei Joh. Friedr. Hartknoch) 1852. Oct. (*Sert. fl. hispan.*).

*Publ.*: 7 Oct 1851-14 Sep 1852 (in journal; Bonplandia as new: 15 Jan 1853; preprint rd. Regensburg Mai-Jul 1852), p. [i], [1]-173. *Copies*: G(2), HH, MO, NY. – Reprinted and to be cited from Flora 34: 577-591. 7 Oct, 593-607. 14 Oct, 609-619. 21 Oct, 625-636. 28 Oct, 705-513. 7 Dec, 739-750. 21 Dec, 755-765. 28 Dec 1851, 35: 193-202. 7 Apr, 209-217. 21 Apr, 257-266. 7 Mai, 273-285. 14 Mai, 289-292. 21 Mai, 305-320. 28 Mai, 513-526. 7 Sep, 529-541. 14 Sep 1852.

**17.844.** *Die Strand- und Steppengebiete der Iberischen Halbinsel* und deren Vegetation. Zur Habilitation in der philosophischen Faculät der Universität zu Leipzig bearbeitet und am 12. Februar 1852 morgens 10 Uhr in dem Auditorium juridicum öffentlich zu vertheidigen von Heinrich Moritz Willkomm, ... Leipzig (Friedrich Fleischer) 1852. Oct. (*Strand-Steppengeb. Iber. Halbins.* [*thes.*]).

*Thesis publ.*: 12 Feb 1852 ("in Februar" Bot. Zeit. 28 Mai 1852; ÖbW 8 Jul 1852; Flora rd. Apr 1852), p. [i, iii], [1]-171, [172, theses]. *Copies*: B, G, MO, NY.

*Commercial, completed edition*: Oct 1852 (p. vi: 1 Apr 1852; Bot. Zeit. 29 Oct 1852 "neu" Flora 7 Nov 1852"neu", rd. at Regensburg Oct 1852), p. [i]-x, [xi], [1]-275, [276, err.], map, chart, *1 pl.* (col. copp. auth.). *Copies*: G, HH; IDC 5448.

*Ref.*: Fürnrohr, A.E., Flora 36: 348-352. 14 Jan 1853 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 10: 622-623. 3 Sep 1852 (rev. thes.).

**17.845.** *Enumeratio plantarum novarum et rariorum* quas in Hispania australi regnoque algarbiorum annis mdcccxlv et mdcccxlvi legit ... Halis Saxonum [Halle] (typis expressum Gebauerio-Schwetschkianis) 1852. Oct.

*Publ.*: Jun 1852 (in journal; reprint rd. Flora Mai-Jul 1852), p. [i], [1]-70. *Copies*: G, HH. – Reprinted and to be cited from Linnaea 25(1): [1]-70. Jun 1852.

**17.846.** *Icones et descriptiones plantarum novarum* criticarum et rariorum Europae austro-occidentalis praecipue Hispaniae ... Lipsiae [Leipzig] (sumtibus A.H. Payne) 1852-1856 [-1862], 2 vols. Qu. (*Icon. descr. pl. nov.*).

*Publ.*: Dec 1852-1862, 2 vols. in 19 parts, p. [i-vi], [7]-113. *pl. 1-73* and [2]-182, *pl. 74-168* (col. liths. auth.). *Copies*: G; IDC 5580.

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*Notes*: (*1*) Alternative title on vol. 2 [p. 2]: *Cistinearum orbis veteris* descriptio monographica iconibus illustrata.

(2) For dates see e.g. F.G. Wiltshear (1915, p. 370-371).

(3) *Critiscism and anticriticism*: W.J. Hooker, Kew J. Bot. 5: 94-96. Mar 1853 (fasc. 1), 6: 352. Nov 1854 (fasc. 3-5), 7: 348-349. Nov 1855 (fasc. 6-9; H is disappointed; relatively few new items); Willkomm, M.J., Bot. Zeit. 13: 118-123. 16 Feb, 140-143. 23 Feb, 149-155, 2 Mar, 169-176. 9 Mar, 1855; B. Seemann, Bonplandia 3: 109-110. 1 Mai 1855, 3: 209-210. 1 Aug 1855; M.J. Willkomm, Bonplandia 3: 227-228. 1 Aug 1855.

(4) *Reviews*: A. E. Fürnrohr, Flora 42: 186-190. 1859 (fasc. 1-15), B. Seemann, Bonplandia 3: 44-46. 15 Feb 1855; D.F.L. von Schlechtendal, Bot. Zeit. 10: 623-624. 3 Sep 1852 (announcement), 11: 488-490. 1853, 12: 67-68. 1854.

**17.847.** *Anleitung zum Studium der wissenschaftlichen Botanik* nach neuesten Forschungen. Ein Handbuch zum Gebrauch bei dem höheren Unterricht und zum Selbststudium ... Leipzig (Friedrich Fleischer) 1854, 2 vols. Oct. (*Anleit. Stud. Bot.*).
*1* (*Allg. Bot.*): Oct 1853 (p. vi: Jun 1853; t.p. date 1854; detailed review, anonymous, in Flora 21 Nov 1853), p. [i]-xii, [1]-554, [555 err.].
*2* (*Spec. Bot.*): Feb 1854 (Flora 28 Mar 1854; ÖbW 11 Mai 1854; Bot. Zeit. 2 Jun 1854; Bonplandia 1 Jun 1854), p. [i]-viii, [1]-530, [531, err.].
*Copies*: M, NY.

**17.848.** *Ueber die Veränderungen* welche die Zusammensetzung und Physiognomie *der Vegetation der iberischen Halbinsel* durch den Einfluss des Menschen während des Mittelalters und der neueren Zeit erlitten hat. Antritsvorlesung ... 25 April 1855 ... [Linnaea 1855]. Oct.
*Publ.*: Sep 1855, p. [675]-704. *Copy*: G. – Tearsheet copy sent by author to Alph. de Candolle, taken and to be cited from Linnaea 26: 675-704. 1855.

**17.848a.** *Die Halbinsel der Pyrenäen*, eine geographisch-statistische Monographie, nach den neuesten Quellen und nach eigener Anschauung ... Leipzig (Verlag von Gustav Mayer) 1855. Oct. (*Halbins. Pyrenäen*).
*Publ.*: 1855, p. [i]-xii, [xiii], [1]-594, 2 charts. *Copies*: LC, NSUB. – Botany on p. 263-279.

**17.849.** *Deutschlands Laubhölzer im Winter.* Ein Beitrag zur Forstbotanik ... Dresden (G. Schönfeld's Buchhandlung (C.A. Werner)) 1859. Qu. (*Deutschl. Laubhölz. Winter*).
*Ed.* [*1*]: 1859 (p. [iv]: 15 Aug 1858; Bonplandia 15 Mar 1859; ÖbZ 1 Jun 1859), p. [i-iv], [1]-56, chart, 103 ills. in text. *Copies*: G, HH, NY.
*Ed. 2*: 1864, p. [i-iv], [1]-56, chart, 103 ills. in text. *Copy*: HH.
*Ed. 3*: 1880 (p. iv: 4 Jul 1880; Bot. Zeit. 10 Dec 1880; Flora 21 Jan 1881), p. [i-iv], [1]-60, 106 ills. in text. *Copy*: HH.

**17.850.** *Pugillus plantarum novarum peninsulae pyrenaicae* ... [Linnaea 1859].
*Publ.*: Mai-Dec 1859, p. [83]-142. *Copies*: G, MO. – Tearsheet copies taken and to be cited from Linnaea 30: [83]-142. 1859.

**17.851.** *Prodromus florae hispanicae* seu synopsis methodica omnium plantarum in Hispania sponte nascentium vel frequentius cultarum quae innotuerunt auctoribus ... Stuttgartiae (Typis e sumtibus librariae E. Schweizerbart) 1861-1880. Oct. (*Prodr. fl. hispan.*).
*Co-author*: Johan Martin Christian Lange (1818-1898), TL-2/2: 746-749.
*1*: 1861-1862, 2 parts, p. [i]-xxx, [1]-316.
*2*: 1865-1870, 3 parts, p. [i-iii], [1]-680.
*3*: 1874-1880, 4 parts, p. [i-iv], [1]-1144.
*Copies*: BR, G, H, HH, MICH, MO, NY, PH, U, US, USDA; IDC 5247.

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| | 2 | 273-480 | Mai-Jun 1868 | 26: 384. 5 Jun 1868 |
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*Supplementum*: 1893, see below.
*Facsimile reprint* (including the supplement): Stuttgart (E. Schweizerbart'sche Verlagsbuchhandlung ...) 1972. ISBN 3-510-65030-1. *Copy*: FAS.
*Ref.*: Willkomm, M., Flora 49: 159-160. 1866 (continuation endangered).

**17.852.** *Führer in's Reich der deutschen Pflanzen* eine leicht verständliche Anweisung die in Deutschland wildwachsende und häufig angebauten Gefässpflanzen schnell und sicher zu bestimmen ... Leipzig (Hermann Mendelssohn) 1863. Oct. (*Führer deut. Pfl.*).
*Ed.* [*1*]: 1862-1863, in two parts. *Copies*: H-UB, HH(2), KNAW, M, NY.
[*1*]: Sep 1862 (ÖbZ 1 Oct 1862; J. Bot. Oct 1862; Flora 20 Nov 1862), p. [1]-286, *pl. 1-7*.
[*2*]: 1863 (p. viii late Mai 863; ÖbZ 1 Sep 1863; Flora 11 Sep 1863; Bot. Zeit. 21 Aug 1863 (rev.)), p. [i]-x, 283bis-678, [679, colo.].
*Reissue*: 1879 (Bot. Zeit. 29 Mar 1879), n.v.
*Ed. 2*: 1881-1882, p. [i]-xii, [xiii], [1]-928, *pl. 1-7* (uncol. liths.), published in 12 parts. *Copies*: G, H, HH. *Führer in das Reich der Pflanzen Deutschlands*, Österreichs und der Schweiz. Eine leicht verständliche Anweisung, die im deutschen Reiche, im cisleithanischen Österreich (mit Ausschluss Dalmatiens, Istriens und des Litorale), sowie in der Schweiz wildwachsenden und häufig angebauten Gefässpflanzen schnell und sicher zu bestimmen ... Zweite umgearbeitete und vielfach vermehrte Auflage des Führers in das Reich der deutschen Pflanzen ... Leipzig (id.) 1882. Oct.
*1*: Mar 1881 (Nat. Nov. Mar(1), Jul(2) 1881; Bot. Zeit. 29 Apr 1881; Bot. Centralbl. 4-8 Apr 1881; Flora 1 Jul 1881), p. [1]-80.
*2*: Jun 1881 (Bot. Centralbl. 13-17 Jun 1881; Nat. Nov. Jun(2) 1881), p. 81-160.
*3*: Jul 1881 (Bot. Centralbl. 11-15 Jul 1881), p. 161-240.
*4*: Aug 1881 (Nat. Nov. Sep(1) 1881; Bot. Zeit. 30 Sep 1881; Bot. Centralbl. 22-26 Aug 1881), p. 241-320.
*5*: Sep 1881 (Bot. Centralbl. 3-7 Oct 1881; Nat. Nov. Oct(1) 1881, p. 321-400.
*6*: Nov 1881 (Nat. Nov. Nov(2) 1881; Bot. Zeit. 30 Dec 1881; Bot. Centralbl. 14-18 Nov 1881), p. 401-480.
*7*: Jan 1882 (Bot. Centralbl. 16-20 Jan 1882; Nat. Nov. Jan 1882; Bot. Zeit. 31 Mar 1882 (as of "1881"), p. 481-560.
*8*: Feb 1882 (Bot. Centralbl. 20-24 Feb 1882; Nat. Nov. Feb(2) 1882), p. 561-640.
*9*: Apr 1882 (Nat. Nov. Apr(2) 1882), p. 641-720.
*10*: Mai 1882 (Nat. Nov. Mai(2) 1882; Bot. Zeit. 30 Jun 1882 (as of "1881"), p. 720-800.
*11*: Jul 1882 (Nat. Nov. Jul(2) 1882), p. 801-880.
*12*: Jul 1882 (p. xii: 15 Jun 1882; Nat. Nov. Jul(3) 1882; Bot. Centralbl. 14-18 Aug 1882 (9-12); Bot. Zeit. 27 Oct 1882), p. i-xv, 881-928.
*Ref.*: Freyn, J.F., Bot. Centralbl. 12: 268-270. 1882 (rev.).
Wiltshear, F.G., J. Bot. 53: 371. 1915.

**17.853.** *Die mikroskopischen Feinde des Waldes*. Naturwissenschaftliche Beiträge zur Kenntniss der Baum- und Holzkrankheiten, für Forstmänner und Botaniker, bearbeitet und in zwanglosen Heften herausgegeben ... Erstes [-Zweites] Heft ... Dresden (G. Schönfeld's Buchhandlung (C.A. Werner)) 1866 [-1867]. 2 Hefte. Oct. (*Mikrosk. Feinde Wald.*).
*1*: Jun 1866 (p. x: Mar 1866; Bot. Zeit. 22 Jun 1886; Flora 23 Jun 1866), p. [i]-x, [xi, cont.], [1]-123, [124, Nachtr.], *pl. 1-8* (liths.; 1-2 col.).
*2*: Dec 1867 (p. 228: 25 Sep 1867; Flora 18 Jan 1868; Bot. Zeit. 14 Feb 1868 "soeben"), cover-t.p., p. [125]-228, *pl. 9-14* (no. 9 col.).
*Copy*: H.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 24: 282-284. 7 Sep 1866 (rev.).
-s, Flora 50: 337-343. 31 Jul 1867 (rev.).

**17.854.** *Forstliche Flora von Deutschland und Oesterreich* oder forstbotanische und pflanzengeographische Beschreibung aller im Deutschen Reich und Oesterreichischen Kaiserstaat heimischen und im Freien angebauten Holzgewächse. Nebst einem Anhang der forstlichen Unkräuter und Standortsgewächse. Für Forstmänner, sowie für Lehrer und Studierende an höheren Forstlehranstalten ... Leipzig und Heidelberg (C.F. Winter'sche Verlagshandlung) [1872-] 1875. Oct. (*Forstl. Fl. Deutschl. Oesterr.*).
*Publ.*: 1872-1875 in parts (contents and dates imperfectly known), p. [i]-vi, [vii-viii], [1]-871, [872, colo.]. *Copies*: HH, M, MO, NY, USDA. – (p. vi: 8 Jan 1875; first part (80 p.) publ. Mai 1873, last part probably Jun 1875).
*Ed. 2*: 1886-1887, in 12 parts, p. [i]-x, [xi-xii], [1]-968. *Copies*: G, HH, NY, US, USDA. *Forstliche Flora* ... im Freien angebauten oder anbauungswürdigen Holzgewächse.

Nebst einer Uebersicht der forstlichen Unkräuter und Standortsgewächse nach deren Vorkommen ... Zweite, vielfach vermehrte, verbesserte und wesentlich veränderte Auflage ... Leipzig (id.) 1887. Oct.
*1*: Feb 1886 (Bot. Zeit. 26 Feb 1886; J. Bot. Mar 1886; Bot. Centralbl. 22-26 Feb 1886), p. [1]-80.
*2*: Mar 1886 (Bot. Zeit. 26 Mar 1886; Nat. Nov. Mar(2) 1886), p. 81-160.
*3*: Apr 1886 (Bot. Zeit. 28 Mai 1886; Nat. Nov. Mai(1) 1886), p. 161-240.
*4-5*: Jul 1886 (Nat. Nov. Aug(1) 1886), p. 241-400.
*6-7*: Aug 1886 (Nat. Nov. Sep(1) 1886; Bot. Zeit. 24 Sep 1886), p. 401-560.
*8-9*: Oct 1886 (Nat. Nov. Oct(2) 1886; Bot. Centralbl. 22-26 Nov 1886; Bot. Zeit. 26 Nov 1886), p. 561-720.
*10-11*: Jan 1887 (Nat. Nov. Jan(2) 1887; Bot. Zeit. 28 Jan 1887 (Lief. 10-11 sic), p. 720-880.
*12*: Feb 1887(p. xi: 25 Jun 1887; Nat. Nov. Mar(1) 1887; Bot. Centralbl. 21-25 Mar 1887; Bot. Zeit. 29 Apr 1887), p. [i]-x, [xi-xii], 881-968.

**17.855.** *Atlas der Botanik* ... Leipzig (F.A. Brockhaus) 1873. Qu. (*Atlas Bot.*).
*Publ.*: 1873, p. [i-ii], 1-40, *31 pl.* (30 wood-engr., 1 lith.). *Copy*: B. – "Separat-Ausgabe aus der zweiten Auflage des Bilder-Atlas". [This atlas not traced; apparently a precursor of the Bilder-Atlas of 1884-1885, see below].
*Dutch ed.*: 1874, p. [1]-54, [55], *pl. 1-30* (uncol. liths.), 31 (col. map). *Copy*: NY. – *Atlas voor de Plantkunde*, inhoudende 31 platen, met verklarende tekst; vrij bewerkt naar het Hoogduitsch van Dr. Moritz Willkomm, ... door Dr. D.J. Coster.

**17.856.** *Der botanische Garten* der kaiserlichen *Universität Dorpat.* Nachrichten über die Geschichte, den gegenwärtigen Zustand, die Einrichtungen und Sammlungen des Dorpater Gartens, zugleich ein Führer für die Besucher desselben, insbesondere für die Studirenden ... Dorpat (Verlag von C. Mattiesen) 1873 [i.e. 1872]. Duod. (*Bot. Gart. Univ. Dorpat*).
*Publ.*: Dec 1872 (censor: 20 Sep 1872, p. vii: Herbst 1872; Flora rd. 1 Jan 1873; Bot. Zeit. 31 Jan 1873), p. [i]-xi, [1]-179, map. *Copies*: H, HH.

**17.857.** *Index plantarum vascularium* quas in itinere 1873 suscepto in insulis Balearibus legit et observavit Mauritius Willkomm ... [Linnaea 1876]. Oct.
*Publ.*: Jan and Apr 1876 (in journal; ÖbZ, as reprint, 1 Aug 1876), p. [1]-134. *Copies*: G, HH. – Preprinted or reprinted from Linnaea 40(1): 1-96. Jan, 97-134. Apr 1886. – See also TL-2/9362 (Rodríguez y Femenías J.J.).

**17.858.** *Ueber Südfrüchte*, deren Geschichte, Verbreitung und Cultur, besonders in Südeuropa ... Berlin (Verlag von Carl Hubel ...) 1877. Oct. (*Südfrüchte*).
*Publ.*: 1877, p. [1]-72. *Copy*: NSUB. – Sammlung gemeinverständlicher Vorträge, ed. R. Virchow und Fr. von Holtzendorff, Ser. 12, Heft 266-267.

**17.859.** *Spanien und die Balearen.* Reiseerlebnisse und Naturschilderungen nebst wissenschaftlichen Zusätzen und Erläuterungen ... Berlin (Verlag von Theobald Grieben) 1876. Oct. (*Spanien Balearen*).
*Publ.*: Feb 1876 (p. viii: Jan 1876; Bot. Zeit. 10 Mar 1876; Flora 11 Mar 1877), p. [ii]-x, [xi], [1]-350, map. *Copies*: G(2), MO. – Bibliothek für Wissenschaft und Literatur. 2. Band.

**17.860.** *Zur Morphologie* der samentragenden Schuppe *des Abietineenzapfens* ... Halle (Für die Akademie ...) 1880. Oct. (*Morph. Abietineenzapf.*).
*Publ.*: 1880 (Bot. Zeit. 16 Jul 1880; Nat. Nov. Jul(2) 1880), p. [1]-16, *pl. 34* (uncol.). *Copies*: BR, G, HH, PH. – Issued as Nova Acta Leop. 41(2), no. 5: [329]-344, *pl. 34*. 1880.

**17.861.** *Illustrationes florae hispaniae* insularumque Balearium. Figuras de plantas nuevas ó raras descritas en el Prodromus Florae Hispanicae ó recientemente descubiertas en España y en las Baleares, acompañadas de observaciones críticas é históricas ... Stutt-

gart (Libreria de E. Schweizerbart (E. Koch) [1880-] 1881-1892, 2 vols. Qu. (*Ill. fl. hispan.*).
*1*: 1881-1885, in 10 parts, p. [ii*], [i]-vii, [1]-157, *pl. 1-92* (issued colored and uncolored; one plate double size).
*2*: 1886-1892, in 10 parts, p. [ii]-vii, [1]-156, *pl. 93-183*.
*Copies*: BR, G, H, HH, MO, NY, USDA; IDC 5817.

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| | 4 | 41-56 | *29-38* | Apr 1882 | | 14 | 49-64 | *120-127* | Jul 1888 |
| | 5 | 57-72 | *39-47* | Nov 1882 | | 15 | 65-84 | *128-137* | Jul 1889 |
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| | 8 | 105-120 | *66-74* | Dec 1883 | | 18 | 113-126 | *156-164* | Sep 1891 |
| | 9 | 121-136 | *75-83* | Sep 1884 | | 19 | 127-140 | *165-173* | Jun 1892 |
| | 10 | 137-157 | *84-92* | Aug 1885 | | 20 | 141-156 | *174-183* | Dec 1892 |

The plates are all of drawings by Willkomm himself.
The months here cited are those in which the fascicles were announced in Naturae novitates or in Bot. Centralbl. An asterisk indicates that the fascicle was announced in January of the next year.

**17.861a.** *Aus den Hochgebirgen von Granada.* Naturschilderungen, Erlebnisse und Erinnerungen ... Nebst granadinischen Volkssagen und Märchen ... Wien (Druck und Verlag von Carl Geroldt's Sohn) 1882. Oct. (*Hochgeb. Granada*).
*Publ.*: Apr 1882 (p. vi: Feb 1882; Bot. Centralbl. 1-5 Mai 1882; Nat. Nov. Mai(1) 1882), p. [i]-xvi, [1]-414, *2 pl. Copy*: HH.
*Ref.*: Freyn, J.F., Bot. Centralbl. 11: 350-351. 1882 (rev.).

**17.862.** *Ueber die atlantische Flora*, ihre Zusammensetzung und Begrenzung. Eine pflanzengeographische Studie ... Separatabdruck aus "Lotos" ... 1884. Oct. (*Atl. Fl.*).
*Publ.*: Jan-Mar 1884 (copy B rd. from author 20 Jun 1884; Bot. Centralbl. 21-25 Apr 1884), p. [1]-24. *Copies*: B, HH. – Preprinted or reprinted from Lotos 33: 66-89. 1884.
*Ref.*: Engler, A., Bot. Jahrb. 6 (Lit.): 15-20. 24 Oct 1884 (rev.).
Roth (Berlin), Bot. Centralbl. 18: 105-108. 21-25 Apr 1884 (rev.).

**17.863.** *Bilder-Atlas des Pflanzenreichs* nach dem natürlichen System ... Esslingen (Verlag von J.F. Schreiber) [1884-1885]. Qu. (*Bild.-Atlas Pflanzenr.*).
*Publ.*: 1884-1885, in nine parts [data below are incomplete], p. [i]-viii, [1]-88, *pl. 1-68* (col. liths.). *Copies*: HU, MO, NY.
*1*: Oct 1884 (Nat. Nov. Oct(1) 1884; Bot. Centralbl. 3-7 Nov 1884; Bot. Zeit. 28 Nov 1884), p. [1]-16, *pl. 1-8*.
*2*: 1885 (ÖbZ 1 Mar 1885).
*3*: 1885 (Bot. Centralbl. 13-24 Jul 1885).
*5*: 1885 (Flora 11 Oct 1885; ÖbZ 1 Aug 1885).
*9*: Nov 1885 (p. iii: Sep 1885; Nat. Nov. Dec(1) 1885; Bot. Centralbl. 25-29 Jan 1886; Bot. Zeit. 27 Nov 1885; ÖbZ 1 Jan 1886).
*Ref.*: Koehne, E., Bot. Zeit. 43: 789-790. 4 Dec 1885.
*Ed. 2*: Apr-Dec 1892, 21 parts. Esslingen (id.), p. [i]-viii, [1]-94, *pl. 1-68*.
*1*: Apr 1892 (Bot. Centralbl. 26 Apr 1892; ÖbZ for Apr 1892), p. 1-8, *pl. 1-4*.
*2-5*: Jun 1892 (Bot. Centralbl. 28 Jun 1892), p. 9-28, *pl. 5-16*.
*6-8*: Jul 1892 (Bot. Centralbl. 26 Jul 1892; Nat. Nov. Jul(3) 1892), p. 29-38, *pl. 17-24*.
*9*: Jul 1892 (Bot. Centralbl. 4 Aug 1892), p. 39-40, *pl. 25-28*.
*10*: Aug 1892 (Bot. Centralbl. 17 Aug 1892; Nat. Nov. Aug(2) 1892), p. 41-44, *pl. 29-32*.
*11*: Aug 1892 (Bot. Centralbl. 31 Aug 1892; Nat. Nov. Sep(1) 1892), p. 45-46, *pl. 33-36*.

*12-13*: Sep 1892 (Bot. Centralbl. 14 Sep 1892), p. 47-58, *pl. 37-40.*
*14*: Sep 1892 (Bot. Centralbl. 28 Sep 1892; Nat. Nov. Sep(2) 1892), p. 59-62, *pl. 41-44.*
*15*: Oct 1892 (Bot. Centralbl. 13 Oct 1892), p. 63-64, *pl. 45-48.*
*16-17*: Oct 1892 (Bot. Centralbl. 26 Oct 1892), p. 65-74, *pl. 49-52.*
*18*: Oct-early Nov 1892 (Bot. Centralbl. 8 Nov 1892), p. 75-78, *pl. 53-56.*
*19*: Nov 1892 (Bot. Centralbl. 23 Nov 1892), p. 79-82, *pl. 59-60.*
*20*: Nov-early Dec 1892 (Bot. Centralbl. 7 Dec 1892), p. 83-86, *pl. 61-64.*
*21*: Dec 1892 (Bot. Centralbl. 22 Dec 1892; Nat. Nov. Dec(3) 1892, p. 87-94, *pl. 65-68.*

*Ed. 3*: 1895, in 15 parts, Esslingen (id.), p. [i]-x, [i]-xiv, [1]-143, [144], *pl. 1-124.*
*1*: Apr 1895 (Nat. Nov. Apr(1) 1895; Bot. Centralbl. 15 Mai 1895; ÖbZ for Mai 1895),p. [1]-24, *pl. 1-8.*
*2-4*: 1895, p. 25-54, *pl. 9-36.*
*5*: Sep 1895 (Bot. Centralbl. 18 Sep 1895), p. 55-64, *pl. 37-44.*
*6*: Aug 1895 (Bot. Centralbl. 4 Sep 1895), p. 65-70, *pl. 45-52.*
*7*: 1895, p. 71-78, *pl. 53-60.*
*8*: 1895, p. 79-86, *pl. 61-68.*
*9*: Oct 1895 (Bot. Centralbl. 16 Oct 1895), p. 87-96, *pl. 69-76.*
*10*: Oct 1895 (Bot. Centralbl. 23 Oct 1895), p. 97-102. *pl. 77-84.*
*11*: Oct 1895 (Bot. Centralbl. 30 Oct 1895), p. 103-112, *pl. 85-92.*
*12*: Nov 1895 (Bot. Centralbl. 19 Nov 1895), p. 113-118, *pl. 93-110.*
*13*: Nov 1895 (Bot. Centralbl. 27 Nov 1895), p. 119-128, *pl. 101-108.*
*14*: Dec 1895 (Bot. Centralbl. 18 Dec 1895), p. 129-134, *pl. 109-116.*
*15*: Dec 1895 (Bot. Centralbl. 27 Dec 1895; Nat. Nov. Dec(1, 2) 1895), p. ix-x, 135-143, xiv. *pl. 117-124.*

*Ed. 4*: Nov 1901 (Nat. Nov. Nov(1) 1901; Bot. Centralbl. 23 Dec 1901), p. [i]-x, [1]-143, [i*]-xiv*, *pl. 1-124. Copy*: Kent State University. – Completed ed. 3, issued in one as ed. 4.

*Ed. 5*: 1910-1912 , in 25 parts, p. [i]-xxii, [1]-183, *pl. 1-125* (2-125 col.). *Copies*: HH, MO, USDA. – Edited by Emil Koehne [Bernhardt Adalbert Emil Koehne, 1848-1919, TL-2/2: 595-597), "...nach dem Englerschen System neu herausgegeben".

*Ed. 6*: 1927 (Nat. Nov. Feb 1928), unveränderter Neudruck der ... fünften Auflage, p. [i]-xxii, [1]-183, *pl. 1-125. Copy*: BR.

*Swedish transl.*: 1893, p. [1]-98. *pl. 1-68* (col.). *Copy*: H. – Helsingfors (Söderström & C:os förlag). Qu. – *Bildatlas öfver Växtriket* efter det naturliga systemet, med text bearbetad af R. Hult. – Also issued with a Stockholm imprint.

*Finnish transl.*: 1893, p. [1]-100, *pl. 1-68* (id.). *Copy*: H. – Luontaisjärjestöllinen kasvikunnon kuvasto tekstin mukaillut R. Hult. Suomentanut [Finnish transl. by:] Wihtori Peltonen. Poroosa (Werner Söderström) 1893. Qu.

*Atlas der Botanik* ... Separat-Ausgabe aus der zweiten Auflage des Bilder-Atlas. Leipzig (F.A. Brockhaus) 1873 oblong qu. (*Atlas Bot.*), *p.* [*i-ii*], *1-40*, *pl. 1-29. Copy*: G. – Only copy seen by us; the t.p. calls for 30 woodcut plates and one col. lithographic plate. – Extract from Bilder-Atlas (Bot. Zeit. 6 Jun 1873).

*Dutch ed.*: *Atlas voor de Plantkunde* inhoudend 31 platen, met verklarenden tekst; vry bewerkt naar het Hoogduits van Dr. Moritz Willkomm, ... door Dr. D.J. Coster, Leiden (A.W. Sijthoff) 1874. Oblong qu. (*Atlas Plantk.*), p. [1]-54, [55], *pl. 1-31* including one col. lith. *Copy*: NY. – Published 31 Mai 1874 (or a few days earlier), fide Ned. Staatscour. 127, 31 Mai 1874.

**17.864.** *Schulflora von Österreich* ... Wien (Verlag von A. Pichler's Witwe & Sohn, ...) 1888. Oct. (*Schulfl. Österreich*).

*Ed.* [*1*]: Mar 1888 (Bot. Centralbl. 9-20 Apr 1888; Bot. Zeit. 27 Apr 1888; Österr. bot. Z. 1 Jun 1888 (rev.); Bot. Zeit. 25 Mai 1888 (rev.); Flora 11 Mai 1888), p. [i]-liii, [1]-371. *Copy*: Univ. Chicago.

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*Publ.*: Mar 1889, p. [1]-8. *Copies*: B, G. – Reprinted and to be cited from Österr. bot. Z. 39: 85-93. 1889.

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**17.866.** *Neue Arten der spanisch-portugiesischen Flora* ... Separat-Abdruck aus der "Oesterr. botan. Zeitschrift." ... 1889. Oct.
*Publ.*: Aug 1889, p. [1]-3. *Copy*: G. – Reprinted and to be cited from Österr. bot. Z. 39: 317-319. 1889.

**17.867.** *Vegetationsverhältnisse von Traz os Montes* ... Botanisches Centralblatt ... 1890. Oct.
*Publ.*: 19 Mar-16 Apr 1890 (in journal), p. [1]-23. *Copy*: B. – Reprinted and to be cited from Bot. Centralbl. 41: 369-373. 19 Mar, 401-405. 26 Mar, 42: 5-9. 2 Apr, 27-41. 9 Apr, 69-73. 16 Apr 1890.

**17.868.** *Über neue und kritische Pflanzen der spanisch-portugiesischen und balearischen Flora* ... Separat-Abdruck aus der "Oesterr. botan. Zeitschrift." ... 1890. Oct.
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*Publ.*: 1890 (p. 19: Mai 1890; Bot. Centralbl. 15 Oct 1890), p. [1]-19. *Copy*: HH. – Samml. gemeinnütz. Vortr. Prag, no. 144.

**17.870.** *Das Herbar.* Anleitung zum Einsammeln, Zubereiten und Trocknen der Herbarpflanzen und zur Einrichtung und Erhaltung wissenschaftlicher Pflanzensammlungen ... Wien und Leipzig (Verlag von A. Pichler's Witwe & Sohn, ...) 1892. Oct. (*Herbar*).
*Publ.*: Apr 1892 (p. iv: Feb 1892; Nat. Nov. Apr(2) 1892; copy B dedicated by author to Schiffner 11 Oct 1892), p. [i]-vi, [1]-155. *Copies*: B, H.

**17.871.** *Supplementum prodromi florae hispanicae* sive enumeratio et descriptio omnium inde ab anno 1862 usque ad annum 1893 in Hispania detectarum quae innotuerunt auctori, adjectis locis novis specierum jam notarum ... Stuttgartiae (sumtibus E. Schweizerbart (E. Koch)) 1893. Oct. (*Suppl. prodr. fl. hispan.*).
*Publ.*: Dec 1893 (p. vi: Nov 1893; Bot. Centralbl. 4 Jan 1894; ÖbZ for Dec 1893; Bot. Zeit. 1 Jan 1894; Nat. Nov. Jan(1) 1894), p. [i]-ix, [x], [1]-370. *Copies*: BR, G, HH, MICH, MO, NY, PH, USDA.
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**17.872.** *Statistik der Strand- und Steppenvegetation der iberischen Halbinsel* ... [Separat-Abdruck aus Engler's botanischen Jahrbüchern ... Leipzig (Wilhelm Engelmann) 1894]. Oct.
*Publ.*: 21 Aug and 26 Dec 1894 (in journal), cover-t.p., p. [279]-326. *Copy*: G. – Reprinted and to be cited from Bot. Jahrb. 19: [279]-320. 21 Aug, 321-326. 28 Dec 1894.

**17.873.** *Ueber Charakterpflanzen der Mittelmeerländer*, deren Herkunft und Geschichte ... herausgegeben vom Deutschen Verein in Prag ... 1895. Oct. (*Charakterpfl. Mittelm.-Länd.*).
*Publ.*: Feb 1895 (t.p.; Bot. Centralbl. 17 Apr 1895. ÖbZ for Apr 1895), p. [1]-22. *Copy*: HH. – Samml. gemeinnütz. Vortr., Prag 197. 1895.

**17.874.** *Grundzüge der Pflanzenverbreitung auf der iberischen Halbinsel* ... Leipzig (Verlag von Wilhelm Engelmann) 1896. Oct. (*Grundz. Pfl.-Verbr. iber. Halbins.*).

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*Facsimile ed.*: 1976, J. Cramer in der A.R. Gantner Verlag K.-G., FL 9490 Vaduz, ISBN 3-7682-0985-7. *Copy*: FAS.
*Ref.*: Höck (Luckenwalde), Bot. Centralbl. 66: 318-322. 1896 (rev.).

**Willmott, Ellen Ann** (1858-1934), British horticulturist, had gardens at Warley Place, Essex, Aix-les-Bains and on the Riviera. (*E. Willm.*).

HERBARIUM and TYPES: K (Herb. Warleyense), 30 Rosac. in BR. – Original drawings for *The genus Rosa* are in the Lindley Library (R. Hort. Soc.), London. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 510; Backer p. 627; Barnhart 3: 502; Blunt p. 180, 241; BM 8: 1439; Desmond p. 665 (b. 19 Aug 1858, d. 27 Sep 1934); Hortus 3: 1207; Lenley p. 437; NI 2166; Tucker 1: 748, 3: 336.

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*Authorship*: Latin and English descriptions mostly by John Gilbert Baker (1834-1920) (W.T. Stearn, 1979); the plates are by Alfred William Parsons (1847-1920). – See also E.M. Tucker (1922) and F.M.G. Cardew (1948).
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*2*: 20 Sep 1911-14 Mar 1914 (13 parts), p. [i-iii], [245]-551, [552], *66* col. *pl.*, *15* uncol. *pl.*
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| | 10 | 197-210 | 14 Jun 1911 | | 23 | 447-466 | 19 Sep 1912 |
| | 11 | 211-230 | 14 Jul 1911 | | 24 | 467-482 | 19 Oct 1912 |
| | 12 | 231-244 | 14 Aug 1911 | | 25 | 483-552 | 14 Mar 1914 |
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**Willmott, John** (1775-1834), British commercial horticulturist at Lewisham nursery. (*J. Willm.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Desmond p. 665; Henrey 2: 386, 3: 136; Rehder 1: 522; Tucker 1: 749.

**17.876.** *An alphabetical enumeration of the plants contained in the Hortus Kewensis*, with additions from Dr. Coyte's botanic garden and the hortus cantabrigiensis ... London (printed by T. Plummer, ...) [1798]. Oct. (in 4-s). (*Enum. pl. Hort. Kew.*).
*Publ.*: 1798 (p. [iv]), p. [i-iv], [1]-187, [189-195]. *Copy*: HH.

**Wilmott, Alfred James** (1888-1950), British botanist; MA Cambridge; assistant Botany Dept., Brit. Mus. (Nat. Hist.) 1911-1931, deputy keeper 1931-1950. (*A. Wilm.*).

HERBARIUM and TYPES: BM (20.000). – Other material at BP, CGE, NMW (see also Kent & Allen 1984). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 766; Barnhart 3: 502; BL 2: 732 [index]; BM 8: 1439; Desmond p. 665 (b. 31 Dec 1888, d. 26 Jan 1950); Hirsch p. 325; SO 909; TL-2/11.626, 12.651; Urban-Berl. p. 317, 410; Zander ed. 10, p. 733, ed. 11, p. 837.

BIOFILE: Allen, D.E., The botanists 232 [index, numerous entries]. 1986.
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(2) With J. Ramsbottom, T.A. Sprague and E.M. Wakefield, *Proposals by the subcommittee on nomenclature*, appointed by the Imperial botanical conference, London 1924, *in* T.A. Sprague, ed., *Nomenclature proposals by British botanists*, London Aug 1929, p. 7-45, see also J. Bot. 67: 336-339. Dec 1929. – TL-2/12.651

(3) Editor of vol. 3 of C.E. Moss, *Cambr. Brit. fl.*, Jun 1920, see TL-2/6358.
(4) Editor, *British flowering plants and modern systematic methods*. Being the report of the Conference on the study of critical British groups ... 21 Oct 1949, London (printed by Taylor & Francis, Ltd., ...) Oct., p. [i], [1]-102, [104, colo.], *pl. 1-18. Copies*: G, HH, NY, U.

**Wilms, Friedrich,** Junior (1848-1919), German (Westphalian) pharmacist, botanist and plant collector; pharmacist in Münster until 1882; id. in S. Africa 1882-1896, e.g. at Lydenburg, Transvaal, later in Berlin, some time assistant (1904, 1910-1913) at the Botanical Museum and Herbarium. (*Wilms*).

HERBARIUM and TYPES: MSTR (incl. herb. F. Wilms Sr.); other material at B (mainly destroyed), BP, BR, BM, E, G, GH, GOET, GRA, H, JE, K, L, M, MO, NU, PH, PR, PRE, SI, W, WRSL, Z. – *Letters* at G.

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Wilms, F., Verh. bot. Ver. Brandenburg 40: vii-xxiv. 1898 (Ein botanischer Ausflug ins Boerenland); Bot. Jahrb. 24 (Beibl. 58): 23. 1897; Bot. Centralbl. 74: 336. 1898 (Transvaal plants for sale).

EPONYMY: *Wilmsia* Körber (1865).

NOTE: Wilm's father, Friedrich Heinrich Wilms 1811-1880, pharmacist at Münster, assembled a major herbarium which was offered for sale by the son in 1908-1909 (Herbarium 8: 63. 1909, ÖbZ 59: 40. 1909) and by Th. Weigel in 1919 (Herbarium 50: 521. 1919). The collection had been continued by F. Wilms junior and contained 40.000 phanerogams. The bryophytes were combined by Weigel with those of Sydow, and offered for sale separately (Herbarium 52: 15. 1920). Both collections are now at MSTR. Other material of Wilms sen. is at B (mainly destr.) and M. Biography of Wilms sen.: H. Landois, Jahresber. Westfäl. Prov.-Ver. Wiss. Kunst 8: 164-172. 1880; see also GR p. 154.

**Wilpert, Hubert** (1901-x), German (Silesian) botanist and pharmacist; studied at the University of Breslau; pharm. state exam. 1927; Dr. phil. Breslau 1928; assistant at the Pharmaceutical Institute, Breslau from 1928. (*Wilpert*).

HERBARIUM and TYPES: Unknown.

**17.877.** *Vorarbeiten zu einer Monographie der Gattung Arctium.* Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde bei der Hohen philosophischen Facultät der Schlesischen Friedrich Wilhelms-Universität zu Breslau von Hubert Wilpert aus Oppeln. Pormation [sic] 21. November 1928. Oct. (*Vorarb. Monogr. Arctium*).
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**17.878.** *Der Hautfarn*, Hymenophyllum tunbridgense (L) Sm., in der Sächsischen Schweiz. Ein pflanzengeographischer Beitrag zur Sächsischen Heimatkunde ... Pirna (Verlag von Georg Glöckner) 1937. Oct. (*Hautfarn*).
*Publ.*: 1937, p. [i-ii], [3]-40. *Copy*: B.

**Wilson, Albert** (1862-1949), British pharmaceutical chemist and botanist (bryologist, lichenologist) at Bradford, Yorkshire. (*A. Wils.*).

HERBARIUM and TYPES: YRK and LIV. – Further material in CGE, DBN, E, EGHB, MANCH, NMW, OXF. – See also Kent & Allen (1984) and A. Wilson (1953).

BIBLIOGRAPHY and BIOGRAPHY: BL 2: 732-733 [index]; BM 5: 2332, 8: 1440; Clokie p. 265-266; CSP 19: 645; Dawson p. 665 (b. 12 Oct 1862, d. 15 Mai 1949); GR p. 385, cat. p. 73; LS 40539-40540, 40615-40616, suppl. 30092-30096; Tucker 1: 749.

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COMPOSITE WORKS: (1) With J.A. Wheldon, *The flora of West Lancashire* 1907, see under J.A. Wheldon, TL-2/17.415.
(2) With J.A. Wheldon, *The lichens of Perthshire* 1915, see under J.A. Wheldon, TL-2/17.418.

**17.879.** *A census catalogue of British hepatics* with list of the botanical vice-counties and their boundaries and lists of sources of records (3rd edition) compiled for the British Bryological Society (formerly the Moss Exchange Club) by Albert Wilson, F.L.S. Showing the comparative rarity or frequency of each species and variety by means of a census, indicating its distribution through the 112 Watsonian vice-county divisions of Great Britain, and R. Lloyd Praeger's 40 county divisions of Ireland, also the Channel Islands ... Berwick-on-Tweed (Martin's printing works Ltd., ...) 1930. Oct. (*Census cat. Brit. hepat.*).
*Publ.*: 1930 (p. 4: Dec 1929), p. [1]-42, [43, index]. *Copies*: B, H.

**17.880.** *The flora of Westmorland* an account of the flowering plants, ferns and their allies, mosses, hepatics and lichens so far known to occur in the county. With particulars as to their localities, usual habitats, grade of citizenship, distribution in the six river basins, altitudinal range, time of flowering, first records &c. Also description of the physical geography, topography, geology, climate and botanical features, a bibliography, and a short account of some early pioneers of Westmorland field botany ... Arbroath (printed by T. Buncle & Co., Ltd.) 1938. Oct. (*Fl. Westmorland*).
*Publ.*: 24 Mar 1938 (letter author to A. Dallman in copy LIV), p. [i-ii], frontisp., [iii-vii], 1-413, *36* further *pl.* (photos), map. *Copies*: BR, G, HH, LIV, MO, USDA.
*Ref.*: A.J.W., J. Bot. 76: 242-243. Aug 1938 (rev.).

**Wilson, Carl Louis** (1897-x), American botanist; Dr. phil. Cornell Univ. 1923; instructor, later professor of botany at Dartmouth College, Hanover N.H. (*C.L. Wils.*).

HERBARIUM and TYPES: HNH; other material at F.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 503 (b. 9 Aug 1897); BFM 2458a; Bossert p. 438; Hirsch p. 325; Lenley p. 437; SIA see index.

BIOFILE: Anon., Taxon 30: 368. 1981 (merit award).
Verdoorn, F., ed., Chron. bot. 2: 337. 1936.

**17.881.** *The phylogeny of the stamen* ... Reprinted from the American Journal of Botany ... 1937. Oct.
*Publ.*: Dec 1937, p. [i, recto of 686], [686]-699. *Copies*: B, NY. – Reprinted and to be cited from Amer. J. Bot. 24(10): 686-699. 1937.

**17.882.** *The morphology of the flower* ... Reprinted ... from Botanical Review ... 1939. Oct.
*Co-author*: Theodor Karl Just (1904-1960), TL-2/2: 481.
*Publ.*: Feb 1939, p. 97-131. *Copies*: B, NY. – Reprinted and to be cited from Bot. Rev. 5: 97-131. 1939.

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**Wilson, Ernest Henry** (1876-1930), British-born American botanist, plant collector and traveller; Kew gardener 1897-1899; collected in China for Veitch & Son 1899-1902, 1903-1905; to U.S. 1906, collecting in China on behalf of Arnold Arboretum 1906-1909, 1910-1911, in Japan 1914, 1917-1919; assistant director Arnold Arboretum 1919-1927, in Far East, India and Africa 1920-1921; keeper Arnold Arboretum 1927-1930, "Chinese Wilson", Sc.D. h.c. Trinity College, Hartford, Conn. (*E. Wils.*).

HERBARIUM and TYPES: A; other material at AAH, AMES, B (mainly destr.), BM, C, CAS, CGE, DBN, DPU, E, F, GH, HK, K (major set), MO, NY, P, PC, PNH, US, W. – *Field notes and manuscripts*: A (including Veitch letters). – *Letters* at G, HH, NY.

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Anon., Amer. men sci. ed. 3: 748. 1924, ed. 4: 1071. 1927; Bull. misc. Inf. Kew 1919: 207 (asst. dir. Arnold Arb.), 1927: 253 (keeper id., succeeding Sargent), 1930: 498-499 (obit. not.); Cat. gén. livr. impr. Bibl. natl. 224: 550-551. 1976; Hedwigia 71: (108). 1931 (d. 15 Oct 1930, automobile accident); Index Amer. bot. lit. 1886-1966. 4: 549-551. 1969; J. Bot. 68: 352. 1930 (d.); Torreya 30: 165. 1931 (died in automobile accident (with Mrs. Wilson)); Who's who Amer. 13-17. 1924-1933; Who was who Amer. 1: 1360. 1968.
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(3) C.G. Sargent et al., *Plantae Wilsonianae* 1913-1917, 3 vols., see TL-2/10.303.
(4) With W.B. Hemsley, *Chinese Rhodendrons*, Bull. misc. Inf. Kew 1910: 101-120.
(5) Collaborator, E.E. Silva Tarouca, *Freiland Nadelgehölz*. 1913, 1923, TL-2/11.978.

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*Publ.*: 1912, p. [1]-19. *Copy*: USDA. – An index issued to accompany a selection of 500 photographs from the Arnold Arboretum expedition to China 1907-1909. Publ. Arnold Arb. Harvard Univ. 2.

**17.885.** *A naturalist in Western China* with vasculum, camera and gun ... London (Methuen & Co. ...) 1913. Oct. (*Natural. W. China*).
*Introduction*: Charles Sprague Sargent (1841-1927), TL-2/5: 51-57.
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*Copies*: B-S, HH, HU, Liverpool City Library, NY, USDA.
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*Publ.*: 30 Dec 1916, p. [i]-xi, [1]-91, [93], *pl. 1-59*. *Copies*: BR, HH, MO, NY, PH, U, USDA. – Publ. Arnold Arb. 8.

**17.887.** *The Cherries of Japan* ... Cambridge (printed at the University Press) 1916. Oct. (*Cherries Japan*).
*Publ.*: 30 Mar 1916, p. [i]-xiv, [1]-68, [i]-iii (suppl.). *pl. 1-8. Copies*: BR, HH, MO, NY, P. – Publ. Arnold Arb. 7 .

**17.888.** *Aristocrats of the garden* .... Garden City, New York (Doubleday, Page & Company) 1917. Oct. (*Aristocrats gard.*).
*Publ.*: 1917, p. [i-ii], frontisp., p. [iii]-vii, [1]-312, *15 pl. Copy*: HH.

**17.889.** *The romance of our trees* ... Garden City, New York (Doubleday, Page & Company) 1920. Oct. (*Romance trees*).
*Publ.*: 1920, p. [i-iv], frontisp., [v]-xvi, [1]-278, [279, colo.], *42 pl. Copies*: HH, NY.

**17.890.** *A monograph of the Azaleas* Rhododendron subgenus Anthodendron ... Cambridge (The University Press) 1921. Oct. (*Monogr. Azaleas*).
*Co-author*: Alfred Rehder (1863-1949).
*Publ.*: 15 Apr 1921 (p. [v]: Mar 1921; t.p. dated), p. [i-ix], 1-219. *Copies*: BR, G, HH, M, MO, NY, U.

**17.891.** *The lilies of eastern Asia* a monograph ... London (Dulau & Company, Ltd. ...) 1925. (*Lilies east. Asia*).
*Publ.*: 31 Mar 1925, p. [i-ii], frontisp., [iii]-xiv, 1-110, [111], *pl. 1-16. Copies*: G, HH, MICH, MO, NY, PH, USDA.
*Reprint* (unchanged): Mai 1929. *Copies*: BR, US; IDC 5420/5429. London (Dulau & Company, Ltd.) and Boston, Mass. (The Stratford Company) [on p. vi: Mai 1929].

**17.892.** *America's greatest garden* the Arnold Arboretum ... Boston, Massachusetts (the Stratford Company, ...) 1925. (*Amer. great. gard.*).
*Publ.*: Jun 1925 (copy sent to BR 31 Jul 1925), p. [i*-v*], frontisp. portr. Sargent, i-[ix], 1-123, *pl.* [*1-50*]. *Copies*: BR, G, H-UB, MO, NY.
*Reprinted* (unchanged): Oct 1925. *Copy*: HH, NY.

**17.893.** *Plant hunting* ... Boston, Massachusetts (The Stratford Company ...) 1927. 2 vols. (*Pl. hunt.*).
*1*: Jun 1927 (p. x: 15 Mai 1927; Nat. Nov. Jul 1927), p. [i-ii], frontisp., [iii]-xxix, [1], portr., 3-248, *pl. 1-62*.
*2*: Jun 1927 (Nat. Nov. Jul 1927, p. [i]-ix, [1], *pl. 63*, 3-276, *pl. 64-127*.
*Copies*: HH, MICH, MO, NY.

**17.894.** *China, mother of gardens* ... Boston, Massachusetts (The Stratford Company) [1929]. (*China*).
*Publ.*: 1929 (p. vi: 15 Feb 1929), p. [i*-v*], [i]-x, [xi], 1-408, *pl. 1-60*, frontisp., map. *Copies*: HU, LC, US, USDA.

**17.895.** *Aristocrats of the trees* ... Boston, Massachusetts (The Stratford Company) [1930]. Oct. (*Aristocrats trees*).
*Publ.*: 1930 (p. vi: Feb 1930), frontisp., p. [i]-xxii, 1-279, *pl. 1-66. Copies*: MO, NY.

**Wilson, Francis Robert Muter** (1832-1903), Australian clergyman and lichenologist; long time Presbyterian minister at Kew, Victoria. (*F. Wils.*).

HERBARIUM and TYPES: NSW. – Further material in BM, G, H, M, MEL, MICH, NEB, WELC.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 503; BB p. 330; BM 5: 2333; CSP 19: 647; Desmond p. 666-667 (d. Jun 1903); GR p. 776, cat. p. 73; HR; LS 29041-29046, 41844-41845; TL-2/6468.

BIOFILE: Laundon, J.R., Lichenologist 11: 19. 1929 (coll.).

Maiden, J.H., J.R. Soc. N.S.W. 37: 172. 1903 (lichen coll. purchased by NSW); Vict. Natural. 25: 116. 1908 (bibl.).
Wetmore, C.M., Rev. bryol. lichén. 32: 229. 1963 (coll.).
Willis, J.H., Vict. Natural. 66: 106. 1949 (pioneer Austral. lichenologist).

COMPOSITE WORKS: J. Mueller Arg., *Lichenes wilsoniani* Feb 1893, TL-2/6468, Wilson collector, Mueller author.

**17.896.** *Notes on a remarkable lichen growth* in connection with a new species of Sticta; with descriptions of both ... Brisbane (Printed by Pole, Outridge & Co., ...) 1891. Oct.
*Publ.*: 1891, p. [1]-4. *Copy*: G. – Reprinted and to be cited from Proc. R. Soc. Queensland 7(1): 8-11. 1889 (publ. 1891).

**17.897.** *The lichens of Victoria.* Part I. ... Melbourne (Stillwell and Co., ...) 1893. †. Oct.
*Publ.*: 1893, cover-t.p., p. [141]-177. *Copies*: G, H. – Reprinted and to be cited from Proc. R. Soc. Victoria 5: 141-177. 1893. – For previous papers on Victoria lichens see CSP 19: 647 and J.H. Maiden (1908).

**17.898.** *Lichenes australienses* nonnulli quos D[r] J. Müller determinavit olim lecti et nunc editi a Rev. F.R.M. Wilson, Kew, Victoriae ... Extrait du Bulletin de l'Herbier Boissier ... 1898. Oct. *Publ.*: 1 Jan 1898, p. [1]-3. *Copies*: G(2). – Reprinted and to be cited from Bull. Herb. Boiss. 6(1): 78-80. 1898. – Publication by Wilson of determinations by J. Mueller [called Argoviensis].

**17.899.** *Lichenes Kerguelensis* a Roberto Hall anno 1898 prope Royal Sound in Kerguelen insula lecti, et in Herbario nationali Melbourniensi depositi, ... Memoires de l'Herbier Boissier ... 1980. Oct.
*Publ.*: 15 Aug 1900, p. [1]-2. *Copy*: U. – Issued as and to be cited from Mém. Herb. Boiss. 18: 87-88. 1900.

**Wilson, Guy West** (1877-1956), American botanist; M.Sc. DePauw 1903; professor of biology Mount Union College 1903-1904; high school teacher Lafayette, Indiana 1904-1905; Dr. sci. Purdue 1906; aide New York Botanical Garden 1906-1907; professor of biology Upper Iowa Univ. 1907-1910; assistant plant pathology North Carolina Expt. Station 1910-1912; assistant professor of mycology Iowa 1914-1916; associate botanist Clemson College 1918-1919; professor of biology Upper Iowa Univ. 1919-1927, at Penn College 1927-1930; from 1930 onward engaged in private research. (*G.W. Wils.*).

HERBARIUM and TYPES: NY. – Further material in DPU, F.
*Exsiccatae*: with F.J. Seaver, (1877-1970), *Ascomycetes and lower fungi*, fasc. 1-4, nos. 1-100, 1907-1909, see under Seaver (TL-2/5: 465) and Stevenson (1971).

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BIOFILE: Anon., Amer. men sci. eds. 2-9. 1910-1955; Hedwigia 56: (79). 1915 (app. Univ. Iowa); Index Amer. bot. lit. 1886-1966. 4: 552. 1969 (bibl.).
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*3*: 30 Jul 1908, p. 361-365. – Id. 35: 361-365. 1908.
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*5*: 18 Mar 1914, p. 54-83, *pl. 119*. – Id. Mycologia 6(2): 54-83, *pl. 119*. 1914.
*6*: 14 Jul 1914, p. [i], 192-210, *pl. 135-136*. – Id. 6(2): 192-210, *pl. 135-136*. 1914.
*7*: 7 Jun 1918, p. 168-169. – Id. 10(3): 168-169. 1918.
*Copies*: NY, Stevenson, U.

**17.901.** *Preliminary list of the parasitic fungi* of Fayette County, Iowa ... [Proc. Iowa Acad. Sci. 1911]. Oct.
*Publ.*: 1911, p. [47]-79. *Copies*: NY, Stevenson – Reprinted and to be cited from Proc. Iowa Acad. Sci. 17: [47]-79. "1910" [1911].

**Wilson, John** (1696-1751), British shoemaker, baker and botanist at Kendal, Westmorland. (*J. Wils.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 504; BB p. 330; BM 5: 2333; Desmond p. 667 (d. 15 Jul 1751); DNB 21: 577 (G.S. Boulger) (62: 106); Dryander 3: 25, 131; Henrey no. 1501; Jackson p. 232; PR 10307, ed. 1: 11281; Tucker 1: 749.

BIOFILE: Baker, J.G., Bot. Trans. Yorkshire Natural. Union 1: 46; Nat. Hist. Trans. Northumberland Durham and Newcastle-upon-Tyne 14: 75-76. 1902.
Davey, F.H., Fl. Cornwall xxxii. 1909.
Pulteney, R., Hist. biogr. sketches Progr. Bot. England 2: 264-269. 1790.
Wilson, A., Fl. Westmorland 71. 1938.

EPONYMY: *Wilsonia* R. Brown (1810). *Note*: The following names honor Prof. L.K. Wilson, American geologist: *Wilsonastrum* Jansonius (1962), *Wilsonia* R.M. Kosanke (1950), *Wilsonipites* S.K. Srivastava (1969), *Wilsonisporites* A. Kimyai (1966) and *Wilsonites* R.M. Kosanke (1959).

**17.902.** *A synopsis of British plants*, in Mr Ray's method: with their characters, descriptions, places of growth, time of flowering, and physical virtues, according to the most accurate observations and the best modern authors. Together with a botanical dictionary, illustrated with several figures ... Newcastle upon Tyne (printed by John Gooding, ...) 1744. Oct. (in 4-s). (*Syn. Brit. pl.*).
*Publ.*: 1744, p. [i-vi], [1]-17 (synopsis), [1]-272, [1-8]. *Copies*: HH, LIV, MO, NY, USDA.

**Wilson, Malcolm** (1882-1960), British botanist; D.Sc. London 1911; demonstrator in botany, Imperial College London 1909; lecturer in mycology Edinburgh Univ. 1909, reader 1925-1951. (*M. Wils.*).

HERBARIUM and TYPES: E.

BIBLIOGRAPHY and BIOGRAPHY: BFM 3098; Desmond p. 668 (d. 8 Jul 1960); Kelly p. 242; LS suppl. 180, 6170, 30117-30148; MW p. 532; Stevenson p. 1262; Tucker 3: 338.

BIOFILE: Anon., Ann. appl. Biol. 49(2): 386. 1961 (obit. not.); Index Amer. bot. lit. 1886-1966. 4: 554. 1969; Who's who Sci. int. 1914: 606.
Bisby, G.R., Trans. Brit. mycol. Soc., Fifty-year index 1896-1946. 24-25. 1952.
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NOTE: Outside our period, with D.M. Henderson, *British Rust Fungi* 1966, xviii, 384 p., see Taxon 17: 570. 1968.

**Wilson, Nathaniel** (1809-1874), British (Scottish) gardener, trained at Kew; botanist on Jamaica 1846-1867. (*N. Wils.*).

HERBARIUM and TYPES: K; further material at B (mainly destr.), BM, C, E, GOET, M, NA, PH, US. – *Letters* at K, NY (Torrey corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 505; BB p. 330; BM 5: 2333; CSP 6: 388; Desmond p. 668 (b. 18 Apr 1809, d. 2 Mai 1874); Rehder 5: 925.

BIOFILE: Proctor, G.R., Ferns of Jamaica 6. 1985 (coll.).
Stearn, W.T., J. Arnold. Arb. 46: 272. 1965 (on coll.).
Thiselton-Dyer, W.T., Bull. misc. Inf. Kew 1891: 321 (material also in Economic Museums, Kew).
Urban, I., Symb. ant. 3: 140-141. 1902.
Wilson, F., Bull. Bot. Dept. Jamaica 8: 182-184. 1901 (obit.).
Wilson, N., *in* W. J. Hooker, J. Bot. 7: 335-340. 1855 (on useful vegetable products, esp. fibres, of Jamaica).

HANDWRITING: Wagenitz, G., Index coll. princ. herb. Gott. 214. 1982.

**17.903.** *Outline of the flora of Jamaica* ... [London (... Longmans, Green, and Co.) 1869. Oct. (*Outline fl. Jamaica*).
*Publ.*: 1869, p. 263-291. *Copy*: USDA. – Issued in J.G. Sawkins, Rep. Geol. Jamaica, London 1869, p. 263-291.

**Wilson, Percy** (1879-1944), American botanist; at the New York Botanical Garden from 1899-1944; as assistant 1899, briefly stationed on Cuba in 1904; administrative assistant 1907, docent 1910, assistant curator and docent 1911, assistant curator 1912-1913, associate curator 1914-1939, research associate 1940-1944; assistant to N.L. Britton, collected widely in the West Indies. (*P. Wils.*).

HERBARIUM and TYPES: NY. – Other material at A, B (mainly destr.), CUP, DPU, DUKE, E, F, HAB, HAC, K, L, MANCH, MO, NY, NYS, OXF, POM, U, US. – *Manuscripts*, field notes and correspondence at NY. – *Letters* at FH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 505 (b. 21 Mai 1879, d. 6 Feb 1944); BL 1: 230, 231, 324; BM 5: 2333-2334; Clokie p. 266; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 344, 2: 187; Langman p. 807; Lenley p. 438; PH 450; RS p. 149; SIA see index; TL-2/781, 788, see J.A. Shafer; Tucker 3: 338; Urban-Berl. p. 410.

BIOFILE: Anon., Amer. Men Sci. eds. 3-7. 1921-1944; Bot. Centralbl. 96: 208. 1904 (appointed botanist central agric.-station Santiago de las Vegas, Cuba [Wilson actually remained in this function less than a year in 1904; for collections see Kallunki 1980]); Index Amer. bot. lit. 1886-1966. 4: 555-556. 1969; J. New York Bot. Gard. 45: 31. 1944 (d.).
Chardon, C.E., Naturalistas Amer. latina 1: 262. 1949 (stayed for a short while in Cuba 1904 at the agron. inst.).
Conde, J.A., Hist. bot. Cuba 100, 102, 106, 123. 1958 (activities in Cuba).
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(2) Id. *Basellaceae* 21(4): 337-339. 29 Dec 1932.
(3) Id. *Batidaceae* 21(4): 255. 29 Dec 1932.
(4) Id. *Meliaceae* 25(4): 263-296. 10 Mar 1924.
(5) Id. *Petiveriaceae* 21(4): 257-266. 29 Dec 1932.
(6) Id. *Portulaceae* 21(4): 280-290, 328-330. 29 Dec 1932.
(7) Id. *Rutaceae* 25(3): 173-224. 6 Mai 1911.
(8) Id. *Surianaceae* 25(3): 225. 6 Mai 1911.
(9) Id. *Tetragoniaceae* 21(4): 267-277. 29 Dec 1932.
(10) Id. *Typhaceae* 17(1): 3-4. 30 Jun 1909.
(11) Co-author with N.L. Britton and W.R. Maxon, *Bot. Porto Rico* 1923-1930, see TL-2/788.

**17.904.** *The vegetation of Vieques Island* ... Reprinted from the Bulletin of the New York Botanical Garden ... 1917. Oct.
*Publ.*: 9 Jun 1917, cover-t.p., p. [379]-410. *Copy*: NY. – Reprinted and to be cited from Bull. New York Bot. Gard. 8: 379-410. 1917.

**Wilson, William** (1799-1871), British solicitor and bryologist at Manchester, later at Paddington near Warrington. (*W. Wils.*).

HERBARIUM and TYPES: BM (50.0000, see Murray 1904). – Other material at AK, CGE, DBN, DGN, DPU, FH, GC, H, K, MANCH, NMW, OXF, PH, QK, TCD, WRN. *Exsiccatae*: *Musci britannicae* nos. 1-443. – Sets at BM, DBN, FH, G, K, NY (see Sayre 1971). – *Drawings* at BM and FH (tracings from books). – *Correspondence* (12 vols. at BM) and *letters* at BM, CGE, G, GH, H-UB, LINN, NY, UPS-UB. –*Manuscripts*: see Bridson (1980).

BIBLIOGRAPHY and BIOGRAPHY: AG 1: 147, 6(1): 342; Barnhart 3: 505; BB p. 330-331; Bossert p. 439; Clokie p. 266; CSP 6: 389, 8: 1249; Desmond p. 668 (b. 7 Jun 1799, d. 3 Apr 1871); DNB 62: 147 (21: 618); Frank 3 (Anh.): 114; Herder p. 485; Jackson p. 241; Lenley p. 438; MW p. 532; NI alph.; PR 10308; Rehder 5: 925; SBC p. 135; TL-1/546; TL-2/2828, 2966, 2989, 11.601, see J.P.F.C. Montagne, E. Newman, T. Drummond, Th. Taylor; Urban-Berl. p. 273.

BIOFILE: Anon., Amer. J. Sci. 103: 153. 1872 (d.); Bot. Not. 1872: 26 (d.); Bot. Zeit. 29: 398. 1872 (d.); Bull. Soc. bot. France 20 (bibl.): 47. 1873 (BM acquired W.'s herb.); Flora 54: 205. 1871 (obit. not.); J. Bot. 11: 128. 1873 (herb. acq. by BM); Österr. bot. Z. 21: 220. 1871 (d.).
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COMPOSITE WORKS: (1) *Musci, in* B. Seemann, *Bot. Voy. Herald* 1852-1857, TL-2/11.601, p. 44-46, 244-245, 333, 432.
(2) Co-author with J.D. Hooker, *Musci antarctici* 1844, TL-2/2966.

EPONYMY: *Wilsonia* Rafinesque (1814); *Wilsonia* W.J. Hooker (1829); *Wilsoniella* C. Mueller Hal. (1881).

**17.905.** *Musci americani*; or, specimens of mosses, Jungermanniae, &c. collected by the late Thomas Drummond, in the southern states of North America arranged and named by W. Wilson and Sir W.J. Hooker, ... Warington 1841.
Co-author: William Jackson Hooker (1785-1865), TL-2/2: 283-301.
*Publ.*: 1841, printed t.p., 2 p. manuscript index of genera. *Copy*: G. – See Th. Drummond 1828, TL-2/1: 1532 for the exsiccatae.

**17.906.** *Description of two mosses from Jamaica* [Trans. Edinb. bot. Soc. 1850]. Oct.
*Publ.*: 1850, p. 21-22. *Copy*: G. – Reprint or tearsheet taken from Trans. Edinb. bot. Soc., read 11 Nov 1847, previously publ. Ann. nat. Hist. 20: 378-379. 1847.

**17.907.** *Bryologia britannicae*; containing the mosses of Great Britain and Ireland, systematically arranged and described according to the method of Bruch and Schimper, with illustrative plates: being a new (third) edition, with many additions and alterations, of the Muscologia britannica of Messrs Hooker and Taylor. By William Wilson. London (Longmans, Brown, Green and Longmans) 1855. Oct. (*Bryol. brit.*).
*Publ.*: Jan-Apr 1855 (p. [iii]: Dec 1854; rev. Hooker J. Bot. Kew Gard. Misc. Mai 1855), p. [i]-xx, [xxi, xxiii-xxiv], [1]-432. *pl. 1-61* (col. copp.), [(433)]-445. *Copies*: BR, FH, G, HH, LIV, MICH, MO, NY, PH, U; IDC 6205. – For previous editions see W.J. Hooker and Thomas Taylor, Muscol. brit. 1818, 1827, TL-2/2989.
*Synopsis*: see C.C.P. Hobkirk, *Syn. Brit. moss.* 1873, TL-2/2828.

**Wiltshear, Frederick Gilbert** (1882-1917), British botanical bibliographer; with the Botanical Department of Botany of the British Museum from 1896 as boy-attendant, from 1905 as librarian; with the King's Royal Rifles on active service in World War I; died "of wounds" in France 1917. (*F. Wiltshear*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 505; BB p. 331; BL 2: 484, 733; Desmond p. 669; GF p. 88; NI 2164; SK 4(5): clxxxvii; SO 454.

BIOFILE: Anon., Bot. Not. 1918: 168 (d.); J. Bot. 56: 32 ("23"). 1918.
Britten, J., J. Bot. 56: 117-118. 1918 (obit., b. 15 Jan 1882, died in France 23 November 1917).

COMPOSITE WORKS: With B.D. Jackson, *A bibliographical puzzle*, [on James Lee's *Introduction to botany* 1760, 1765 and glossary], J. Bot. 53: 66-67, 112. 1915.

NOTE: Contributed bibliographical notes to J. Bot. 1909, 1912-1915 (see e.g. Taxon 14: 26, 27. 1965) and to the second edition, in an early phase of its preparation, of J. Britten and G.S. Boulger, Biogr. index Brit. Irish bot. ed. 2. 1931.

**Wiltshear, Samuel Paul** (1891-1967), British mycologist; M.A. Cambridge; Dr. phil. Bristol 1913; mycologist Long Ashton Research Station 1919-1922; assistant director, Imperial Bureau of Mycology, Kew 1924-1939, director 1940-1956. (*S. Wiltshear*).

HERBARIUM and TYPES: IMI; further material in BM.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 270, 281; Barnhart 3: 505; Desmond p. 669 (b. 13 Mar 1894, d. 13 Mai 1967); Hirsch p. 375; IH 1 (ed. 2): 128, (ed. 3): 81; LS suppl. 30155-30161; Stevenson p. 1262.

BIOFILE: Ainsworth, G.C., Nature 215: 221. 1967 (obit.).
Anon., The Times 16 Mai 1967, p. 12 (obit.); Who was who 6: 1217. 1961-1970.
Bisby, G.R., Trans. Brit. mycol. Soc. Fifty-year index 1896-1946: 25. 1952 (list publ.).
Bridson, G.D.R. et al., Nat. Hist. mss. res. Brit. Isl. 186.12. 1980.
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 799. 1985.
Ramsbottom, J., Trans. Brit. mycol. Soc. 30: 7, 11-12, 13, 14. 1948 (on W. and the Brit. mycol. Soc.).

EPONYMY: *Wiltshirea* A.C. Batista et G.E.P. Peres (1962).

**17.908.** *The original and modern conceptions of Stemphylium* ... Cambridge (at the University Press) 1938. Oct.
*Publ.*: Jun 1938, cover-t.p., p. [i], 211-239, *pl. 14-15*. *Copy*: Stevenson. – Reprinted and to be cited from Trans. Brit. mycol. Soc. 2(3-4): 211-239, *pl. 14-15*. 1938.

**Wimmer, Franz Elfried** (1881-1961), Austrian botanist and roman-catholic clergyman; studied theology and natural sciences at the Universities of Vienna and Graz; ordained priest 1907; professor of natural history at St. George's College, Istanbul 1905-1918; priest at several localities in and around Vienna 1918-1958, also unofficial research associate of the Vienna Natural History Museum, ultimately "correspondent" of that institution. (*F.E. Wimm.*).

HERBARIUM and TYPES: W; other material in B (extant), G (incl. some types), K (incl. some types), MICH (incl some types), NY, US (incl. some types).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 505 (b. 1881, d. 2 Mai 1961); Biol.-Dokum. 19: 10074; Bossert p. 439; Hortus 3: 1207; IH 1 (ed. 1): 104, (ed. 2): 128, (ed. 4): 182; Langman p. 808; MW suppl. p. 395; Roon p. 124; TL-2/1713, 2364; Zander ed. 10, p. 733, ed. 11, p. 837.

BIOFILE: Anon., Brittonia 13(3): 252. 1961 (d.); Index Amer. bot. lit. 1886-1966. 4: 557. 1969.
Degener, O. & I., Hawaii. bot. Soc. Newsletter December 1962, p. 9; New ill. fl. Hawaii. Isl. 11/15/62 (b. 30 Nov 1881).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 799. 1984.
Rechinger, K.H., Taxon 10: 239-240. 1961 (obit., portr.).
Verdoorn, F., ed., Chron. bot. 6: 310. 1941.

COMPOSITE WORKS: (1) Collaborator H. Handel-Mazzetti, *Symb. sin.* 1929-1937, see TL-2/2364, *Lobeliaceae* in 7: 1081-1084. 1936.
(2) Id., H. Handel-Mazzetti, *Plantae novae sinenses* 1920-1926: *Lobelia*, *in* Anz. Akad. Wiss. Wien, Math. Naturw. Kl. 61: 109-112. 1924.
(3) *Campanulaceae-Lobelioideae*, *in* A. Engler ed. (ctd. by L. Diels), *Das Pflanzenreich* (TL-2/1713). Part 1, Heft 106 (iv. 276b). 25 Mai 1943 (repr. 1950), *part 2*, Heft 107 (iv. 276b). 30 Dec 1953, *Supplementum* et *Campanulaceae-Cyphioideae*, Heft 108 (iv. 276c). 15 Mar 1968 (general ed. H. Stubbe, volume editor S. Danert). The copy at BR has a loose prospectus of [4] p. as well as a loose sheet, [1] p. by the editors on the continuation of the "Pflanzenreich" *Vorarbeiten*, see Ann. Naturh. Mus. Wien 56: [317]-374. Aug 1948.

EPONYMY: *Neowimmeria* O. Degener et I. Degener (1963).

**17.909.** *Lobelioideae. Species et varietates novae* ex generibus *Centropogon et Siphocampylus* ... Sonderabdruck aus Fedde, Repertorium ... 1923. Oct.
*Publ.*: 20 Feb 1924, p. [241]-265. *Copies*: B, NY, US. – Reprinted and to be cited from Repert. Sp. nov., ed. F. Fedde 19: 241-265. 1923.
*Lobelioideae II*: 30 Apr 1924, p. [385]-392. *Copy*: NY. – Id. 19: 385-392. 1924.
*Lobelioideae III*: 1 Jun 1926, cover-t.p., p. 193-218, *pl. 31-33*. *Copy*: NY. – Id. 22: 193-218, *pl. 31-33*. 1926.
*Studien zu einer Monographie der Lobelioïdeen* (Lobelioideae IV): 5 Mar 1929, cover-t.p., p. [1]-20, *pl. 71-72*. *Copies*: G, M, NY. – Id. 26: [1]-20, *pl. 71-72*.

**17.910.** *Lobelioideae aus dem Museum* des königl. botanischen Gartens *zu Kew* in England und einige aus anderen Sammlungen ... Sonderabdruck aus Fedde, Repertorium ... 1931. Oct.
*Publ.*: 10 Apr 1931 (in journal), cover-t.p., p. 49-52, *pl. 115-118. Copies*: G, NY, US. – Reprinted and to be cited from Repert. Sp. nov. ed. F. Fedde 29: 49-62, *pl. 115-118. 1931.*

**17.911.** *Burmeistera* eine umstrittene Pflanzengattung und ihre Arten ... Sonderabdruck aus Fedde, Repertorium ... 1932. Oct.
*Publ.*: 15 Feb 1932 (in journal), p. [1]-52, *pl. 123-126. Copies*: B, G, NY, US. – Reprinted and to be cited from Repert. sp. nov., ed. F. Fedde 30: [1]-52. *pl. 123-126.* 1932.

**17.912.** *Lobelioideae novae* ... Sonderabdruck aus Fedde, Repertorium ... 1935. Oct.
*Publ.*: 5 Mai and 30 Jun 1935 (in journal), cover-t.p., p. [1]-24, [II]: [75]-87. *Copy*: B. – Reprinted and to be cited from Repert. Sp. nov., ed. F. Fedde 38: [1]-24. 5 Mai, [75]-84. 30 Jun 1935.

**Wimmer, [Christian] Friedrich [Heinrich]** (1803-1868), German (Silesian) botanist and high school teacher; studied philology and natural sciences at the University of Breslau 1821-1826; teacher at the Friedrichs-Gymnasium Breslau 1826; professor's title 1835, director 1843-1863; municipal school inspector ("Schulrath") charged with the reform of the Breslau school system 1863-1868; actively interested in plant taxonomy of the classics as well as in the flora of Silesia and the genus Salix; Dr. phil. h.c. Breslau 1853. (*Wimm.*).

HERBARIUM and TYPES: WRSL. – Further material in AUT, B (mainly destr.), BM, GFW, HBG, K, KIEL, LE, LI, LZ (destr.), MANCH, MW, OXF, P, PR, REG, W. – Material outside WRSL mainly *Herbarium Salicum.*
*Exsiccatae*: *Herbarium Salicum*, Sammlung getrockneter Weidenarten, Abarten und Bastarde zunächst in Schlesien. Herausgegeben von Wimmer und Krause [Ernst Krause, d. 1858]. Erstes Heft, Nro. 1-12, see Flora 32: 495-496. 1849; series continued until decas 12, 1-12, 1849-1858. Sets (see above). – *Letters* G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 43: 319-321 (E. Wunschmann); AG 2(2): 93, 4: 310, 12(3): 368; Andrews p. 349; Backer p. 627; Barnhart 3: 505 (b. 30 Oct 1803, d. 12 Mar 1868); Biol.-Dokum. 19: 10074; BM 2: 703, 5: 2335; CSP 6: 390-392, 8: 1249 (bibl.); DTS 1: 329; Frank 3 (Anh.): 114; Futak-Domin p. 224, 659-660; Hegi 6(2): 910, 1328; Herder p. 485; Hortus 3: 1207; Jackson p. 21, 227, 310; Klásterský p. 205; KR p. 767; LS 29052-29054; PR 244, 3626, 8126, 9201-9203, 10309-10316, ed. 1: 294, 3944, 10.167, 11.282; Rehder 5: 925; RS p. 149; TL-1/1434-1435; TL-2/see H.R. Goeppert; Tucker 1: 749; Urban-Berl. p. 270, 410; Zander ed. 10, p. 733, ed. 11, p. 837.

BIOFILE: Anon., Bonplandia 1: 239. 1853 (on his cultivation of Salix; artificial hybrids), 3: 35. 1855 (cogn. Leopoldina Günther), 6: 55. 1858; Bot. Zeit. 1: 360. 1843 (dir. Gymn. Breslau), 18: 192. 1860 (on Wichura and Wimmer), 26: 216 (d.), 415 (herb. for sale; 20.000 specim., incl. 1700 Salix, 5200 Silesian pl.), 27: 447. 1869 (herb. for sale); Brit. Mus. gen. cat. print. books 259: 168. 1965; Cat. gen. livr. Bibl. natl. 224: 775-777. 1976; Flora 26: 571. 1843 (app. dir. Gymn.), 51: 126. (d.), 239 (herb. for sale), 1868, 52: 336. 1869 (herb. for sale), 54: 351. 1871 (memorial); Jahresber. Schles. Ges. vaterl. Cult. 46: 286-289. 1869; Österr. bot. Z. 18: 170, 233. 1868 (herb. 20.000 specim. for sale; ref. to Cohn biogr.); Verh. bot. Ver. Brandenburg 9: xlvi. 1867 (d. 2 Mar 1868; hon. memb.).
Ascherson, P., Bot. Zeit. 31: 14. 1873 (herb. acquired by R. Fritze, pharmacist at Rybnik; new owner proposes exchange).
Brunner, Pfarrer, Flora 35: 132. 1852 (note on Herb. Salicum).
Cohn, F., Jahresber. Schles. Ges. Vaterl. Cultur 45: 126-140. 1867 (obit.; also issued separately with special t.p., p. [1]-17).
Fürnrohr, A.E., Flora 35: 492-493. 1852 (rev. Herb. Salicum dec. 3-6), 41: 207-208. 1858 (id. dec. 7-12).
Göppert, J.H.R., Flora 32: 495-496. 1849 (rev. Heft 1, Herb. Salicum).

Göppert, J.H.R. & F. Cohn, Jahresber. Schles. Ges. vaterl. Ges. Cult. 49: 98-100. 1872 (memorial).
Ilg, W., Hoppea 42: 100, 222, 347. 1984.
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Lowden, R.M., Taxon, Index pers. names vols. 1-30. 799. 1985.
Manitz, H., Wiss. Z. Friedr.-Schill. Univ. Jena; Mat. Nat. 31(2): 261. 1982.
Oborny, A., Verh. naturf. Ver. Brünn 21: 10, 13, 21. 1882.
Pax, P., Schlesiens Pflanzenwelt 8, 9, 18. 1915.
Pax, T., Bibl. schles. Bot. 7, 9, 25, 31, 33, 38, 40, 41-42, 44, 47-48, 53, 69, 72, 86, 91,, 102, 105, 111, 117, 134, 136, 150-151. 1929 (bibl.).
Potonié, H., Österr. bot. Z. 31: 352. 1881 (hybridization Salix).
Schmid, G., Goethe u.d. Naturw. 1395, 1672. 1900.

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(2) Editor (with new additions) W. Scharenberg, *Handbuch für Sudeten-Reisende* mit besondrer Berücksichtigung der Freunde der Wissenschaften, ed. 3. Breslau 1862, viii, 299 p., *6 pl.*, botany on p. 97-158, 271-272.
(3) Editor, Latin editions, Theophrasti Eresii *Historia plantarum*, Breslau 1842, *Opera*, 3 vols. Leipzig 1854-1862, *Opera*, Paris 1866, see PR ed. 2. nos. 9201-9203.
(4) Goeppert, H.R., *Excursionsflora für Schlesien*, nach Wimmer's Flora von Schlesien bearbeitet, Breslau 1868.
(5) S. Schilling, *Grundriss der Naturgeschichte* ... Nebst einer Pflanzengeschichte ... F. Wimmer, ed. 5, 1853 and later eds.

EPONYMY: *Wimmeria* Schlechtendal et Chamisso (1831).

**17.913.** *Enumeratio stirpium phanerogamarum quae in Silesia sponte proveniunt* ... Vratislaviae [Breslau] (apud Guilielmum Theophilum Korn) 1824. Oct. (in 4-s). (*Enum. stirp. phan. Silesia*).
*Co-authors*: Karl Christian Günther (1796-1833), Heinrich Emanuel Grabowski (1792-1842) (TL-2/1: 977), see p. viii.
*Publ.*: 1824, p. [i]-viii, [1]-168. *Copies*: B-S, HH, NY.

**17.914.** *Flora Silesiae* ... Vratislaviae [Breslau] (apud Guilielmum Theophilum Korn) 1827-1829. Oct. 2 vols. (in 3). (*Fl. Siles.*).
*Co-author*: Heinrich Emanuel Grabowski (1792-1842), see TL-2/1: 977.
*Publ.*: 1827-1829. *Copies*: G, HH, HU, NY, USDA.
*1*: Aug-Sep 1827 (p. xii: 12 cal. Aug 1827 [21 Jul]; Linnaea Oct-Dec 1827; Flora Jul-Sep 1827), portr., [of Ignatius Seliger, 1752-1812), p. [i]-xvi, [1]-446.
*2(1)*: Mar-Apr 1829 (p. xxiv: 7 Id. Mart. 1829), portr. [of Ch.F. Guenther], p. [i*], [i]-xxiv, [1]-282, [283-284, index]. – Signatures marked "Tom. II".
*2(2)*: Jul-Sep 1829 (Flora 28 Sep 1829, rev.,), p. [i-iv], [1]-400. – Signatures marked "Tom. III".

**17.915.** *Flora von Schlesien* ... Handbuch zur Bestimmung und Kenntniss der phanerogamischen Gewächse dieser Provinz, nebst einer gedrängten Einleitung in die Pflanzenkunde ... Berlin (bei August Rücker) 1832. Oct. (*Fl. Schles.*).
*Publ.*: Feb-Jul 1832 (p. ix: 2 Feb 1832; Pharm. Centralbl. 4 Aug 1832), p. [i]-ix, [x, abbr.], [1]-400, [1-2, err.]. *Copies*: G, HH, NY, PH, USDA.

**17.916.** *Phytologiae Aristotelicae fragmenta* ... pars prior. Vratislaviae [Breslau] (in commissis Jos. Max et Soc.) 1838. †. Oct. (*Phytol. Aristot. fragm.*).
*Publ.*: 15-21 Jul 1838 (p. xii: late Dec 1837; Hinrichs), p. [i]-xii, [1]-98, [99, err.]. *Copies*: NSUB, NY, US, USDA.
*German transl.*: in Ernst Meyer, *Gesch. Bot.* 1: 94-145. 1854. *Fragmente Aristotelischer Phytologie.*

*Note*: Booknumber 17.917 has not been used.

**17.918.** *Flora von Schlesien* preussischen und österreichischen Antheils oder vom oberen Oder- und Weichsel-Quellen-Gebiet mit besonderer Berücksichtigung der Umgegend von Breslau. Nach natürlichen Familien, mit Hinweisung auf das Linnéische System ... Nebst phytogeographischen Angaben und einer Profil-Karte des Schlesischen Gebirgszuges. Breslau, Ratibor und Pless (Verlag von Ferdinand Kist) 1840. Duod. (*Fl. Schles.*).

*Ed.* [*1*]: 1840 (Bot. Not. Jan 1841), p. [i*, iii*], [iii]-vi, [vii]-xlviii, [1-2, err.], [1]-464, [1]-82, chart. *Copies*: BR, G, MO, NY. – Preface material divided in different ways over the two volumes.

*Other issue*: 18-24 Apr 1841 (Hinrichs), p. [i*-ii*],, [i]-xlviii, [1-2, err.], [1]-464, [1]-82, chart. *Copy*: NY. – New t.p., other material mainly original sheets.

*Ed. 2*: 1844. *Copies*: B, G, HH, NY, USDA. – *Flora von Schlesien* preussischen und österreichischen Antheils ... Nebst einer Uebersicht der fossilen Flora Schlesiens von Dr. H.R. Goeppert [see TL-2/1: 964-968], ... Zweite, neu redigirte und bereicherte Ausgabe. Breslau (id.) 1944, 2 vols. Duod.

*1*: 9-11 Sep 1844 (p. xii: Jun 1844; Hinrichs; Bot. Zeit. 15 Apr 1845, rev.), p. [i]-xii, [iii]-xlviii, [1*, h.t.], [1]-512.

*2*: 9-11 Sep 1844 (Hinrichs), p. [i-v], [1]-225, [1]-54, map.

*Ergänzungsband 1845*, see below.

*Ed. 3*: 1857 (p. xii: 15 Jul 1857; BSbF Oct-Dec 1857 rev.; ÖbZ 19 Nov 1857; Bonplandia 15 Dec 1857), p. [i]-lxxix, [1]-695. *Copies*: G, H, HH, M, NY, USDA. – Dr. Friedrich Wimmers *Flora von Schlesien* preussischen und österreichischen Antheils oder vom oberen Oder- und Weichsel-Quellen-Gebiet. Nach natürlichen Familien, mit Hinweisung auf das Linné'sche System. Dritte Bearbeitung. Breslau (Ferdinand Hirt's Verlag) 1857. Oct.

*Ref.*: Schauer, C., Flora 24(2) Lit. Ber. 5: 74-93. 14 Jul 1841 (rev.).
Schlechtendal, D.F.L. von, Bot. Zeit. 15: 832-835. 27 Nov 1857 (rev. ed. 3).

**17.919.** Friedrich Wimmers *neue Beiträge zur Flora von Schlesien* zur Geschichte und Geographie derselben, verbunden mit einer Anleitung zu botanischen Excursionen in Schlesien, zum Sammeln, Bestimmen, Trocknen und Aufbewahren der Pflanzen, einem alphabetischen Nachweis ihrer Standorte, einem Verzeichniss der wichtigsten Höhenpunkte der Sudeten, wie des Teschnischen Gebirges und einer Profilkarte. Nebst einer Uebersicht der fossilen Flora Schlesiens von H.R. Goeppert, ... Breslau (Ferdinand Hirt's Verlag) 1845. Duod. (*Neue Beitr. Fl. Schles.*).

*Publ.*: Sep 1845 (p. vi: Easter 1845; Hinrichs; Bot. Zeit. 12 Sep 1845: available), p. [ii]-vi, [vii], [1]-225, [1]-70, [1]-54, chart. *Copies*: G, HH. – Second t.p.: *Flora von Schlesien* ... *Ergänzungsband*, welcher für die Besitzer der ersten Auflage der Flora die gesammten Bereicherungen der zweiten Ausgabe umfasst. – Contains the new material of Fl. Schles. ed. 2. for those who own ed. 1.

**17.920.** *Das Pflanzenreich*, nach dem natürlichen System dargestellt ... Breslau (Ferdinand Hirt's Verlag) 1853. Oct. (*Pflanzenreich*).

*Publ.*: 1853 (p. [iv]: 13 Mar 1853; Flora 7 Jul 1853; ÖbW 8 Dec 1853), p. [i-iv], [1]-192. *Copy*: NY. – An independently published new revision of the *Pflanzengeschichte* contributed by W. to Samuel Schilling, *Grundriss der Naturgeschichte* ed. 5, 1853, see Composite works, above no. (5).

*Ed. 2*: 1858, n.v., (copy at H-UB; ÖbZ 1 Jan 1859; Bonplandia 15 Jun 1859).

*Ed. 8*: 1863, n.v. (PR 10315).

*Ed. 9*: 1868, n.v. (ÖbZ 1 Sep 1868; Bot. Zeit. 18 Sep 1868).

*Ed. 14*: 3-7 Nov 1884, n.v. (Bot. Centralbl. 3-7 Nov 1884; by F.C. Noll).

**17.921.** *Wildwachsende Bastardpflanzen*, hauptsächlich in Schlesien beobachtet ... [Breslau (Verlag von Josef Max & Komp.) 1853]. Qu.

*Publ.*: 1853, p. [143]-182. *Copies*: BR, HH, MO. – Reprinted [or tearsheets?] and to be cited from *Denkschrift zur Feier ihres fünfzigjährigen Bestehens* herausgegeben von der Schlesischen Gesellschaft für vaterländische Kultur, Breslau 1853, p. [143]-182. – Review of Denkschrift, with notes on W.'s contribution, Bonplandia 2: 77-78. 15 Mar 1854.

*Note*: Wimmer published several papers on Salix hybrids from 1841 onward. His first

paper on hybridization, however, was on *Digitalis*, Uebers. Arb. Veränd. Schles. Ges. vaterl. Kult. 1832: 61-62, 1835: 85, followed by a discussion of the "Bastardnatur" of *Geum intermedium*, ib. 1838: 135. The first paper on Salix hybrids *Ueber 6 Weidenbastarde*, appeared ib. 1841: 93-94, followed by a more general *Ueber die Hybridität im Pflanzenreiche*, ib. 1843: 208-209. For the summary of his research on *Salix* see *Salices europaeae*, below (1866).

**17.922.** *Salices europaeae* ... Vratislaviae [Breslau] (sumptibus Fernandi Hirt, ...) 1866. Oct. (*Salic. eur.*).
*Publ.*: Aug 1866 (p. x: 3 Jul 1866; copy sent by author to A. Kerner 2 Sep 1866, see Manitz (1982), rev. J. Bot. 1 Dec 1866), p. [i]-xcii, [1]-286. *Copies*: BR, G, H, HH, L, M, MICH, NY, PH, USDA.
*Ref.*: Anon., Flora 50: 25-29. 30 Jan 1867 (rev.).

**Winch, Nathaniel John** (1768-1838), British botanist; in Newcastle from 1786; long-time secretary to the Newcastle Infirmary in Newcastle; travelled in France and S. Europe 1790-1791. (*Winch*).

HERBARIUM and TYPES: BM (plants corr.), CGE, FI, HAMU (herb.), K, LINN (Rosa and Salix retained; herb., corr. and mss. originally left to LINN but major parts passed on to BM and HAMU; herb. specimens also in LINN-Smith). – *Letters* at G, LINN (see Davies & Leathart 1986).

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Jackson, B.D., J. Bot. 41: 380. 1903 (biogr. details).
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Pearsall, W.H., Fl. Surrey 50. 1931.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1334-1335. 1863.

EPONYMY: *Winchia* Alph. de Candolle (1844).

**17.923.** *The botanist's guide* through the counties of Northumberland and Durham ... Newcastle upon Tyne (printed by S. Hodgson, ...) 1805-1807. Oct. (in 4-s).
*Co-authors*: John Thornhill, Richard Waugh (x-1806), co-signatories, with Winch, of the dedication. Title-page mentions no author.
*1*: 1805 (dedication 29 Jul 1805), p. [i*-ii*], [1, err.], [i]-vii, [1]-123.
*2*: 1807 (p. vii: 22 Apr 1807), p. [i*], [i]-vii, [viii, err.], [1]-112, [134]-140 catal. pl.].
*Copy*: HH.

**17.924.** *An essay on the geographical distribution of plants*, through the counties of Northumberland, Cumberland, and Durham ... Newcastle (printed by Edward Walker ...) 1819. Oct. (in 4-s). (*Essay geogr. distr. pl.*).
*Ed.* [*1*]: 1819 (read 4 Mai 1819), p. [1]-52. *Copies*: G, HH, NY, PH.
*Ed. 2*: 1825, p. [1]-54. *Copy*: G. – Second edition. Newcastle (printed by T. and J. Hodgson, ...) 1825. Oct. (in 4-s).
*Note*: See also his *On the geography of plants*, in T. Thomson, ed., Ann. Philos. ser. 1. 11: 334-342. Mai 1818, 2: 45-48. Jul 1818.
*German transl.*: 1837, *Versuch über die geographische Verbreitung der Pflanzen* in den Englischen Grafschaften Northumberland, ... Flora 20: 289-304, 305-317. 1837, translated by Karl Traugott Beilschmied (1793-1848, TL-2/1: 167).

**17.925.** *Flora of Northumberland and Durham* ... Newcastle (printed by T. and J. Hodgson, ...) 1831. Qu. (*Fl. Northumberland Durham*).
*Publ.*: 1831, p. [i, title page], [1]-149, fold-out map. – Preprinted and to be cited from Trans. nat. Hist. Soc. Northumberland, Durham, Newcastle-upon-Tyne 2: 1-149. 1832.
*Addenda*: 1837 (p. 159: 31 Dec 1836), p. [151]-159. – Reprinted from id. 151-159. 1837.
*Copies*: G, HH, NY.
*Note* (*1*): See also his *Remarks on the distribution of the indigenous plants of Northumberland and Durham, in* Trans. nat. Hist. Soc. Northumberland, Durham, Newcastle-upon Tyne 1: 50-57. 1831, preprint submitted to Geol. Soc. London by author in Nov 1830.
(2) *A new flora of Northumberland and Durham* by J.G. Baker and G.R. Tate was published in Trans. nat. Hist. Soc. Northumberland 2: 1-316. 1868, see TL-2/13.764.

**17.926.** *Contributions to the flora of Cumberland* to which are added remarks on the lists of plants, published in Hutchinson's history of that County, and in Turner and Dillwyn's Botanist's guide through England and Wales ... Newcastle (printed by T. and J. Hodgson, ...) 1833. Qu. (*Contr. fl. Cumberland*).
*Publ.*: 1833, p. [1]-17. *Copies*: G, HH, NY. – Based on notes previously published in the Newcastle Magazine, not seen by us. – For Turner and Dillwyn, *Bot. guide England* see TL-2/15.366).

**Winchell, Newton Horace** (1839-1914), American botanist and geologist; studied at the University of Michigan 1858-1866; M.Sc. 1869; volunteer collector for the Michigan Geological Survey 1859-1860, collector id. 1869-1870; with the Ohio Geological Survey 1871-1872; state geologist of Minnesota 1872; with the University of Minnesota 1872-1900. (*Winchell*).

HERBARIUM and TYPES: [No specimens collected in Michigan in MICH].

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 506 (17 Dec 1839, d. 3 Mai 1914); BM 5: 2336, 8: 1443-1444; ME 1: 241; Merrill p. 536, 567, 715; PH 301, 567; Quenstedt p. 463; SIA see index; Tucker 1: 145, 749.

BIOFILE: Anon., Science ser. 2. 39: 719. 1914 (d.).
Bain, H.F., Economic Geology 11(1): 51-62. 1916 (on W. and the American Geologist).
Clarke, J.M., Science ser. 2. 40: 127-130. 1914 (obit.).
Schuchert, Ch., Amer. J. Sci. 187: 566. 1914 (obit.).
Upham, W., Bull. Geol. Soc. Amer. 26: 27-46. 31 Mar 1915 (obit., portr., bibl.); Economic Geology 11: 63-72. 1916 (on W.'s work on glacial geology and archeology).
Voss, E., Contr. Univ. Mich. Herb. 13: 34, 35, 36, 37, 39, 46-47, 63-64, 85. 1978.
Wilson, J.G. & J.F., eds., Appleton's Cycl. Amer. biogr. 6: 560. 1889.

COMPOSITE WORKS: (1) *Catalogue of phanerogamous and acrogenous plants* found growing *in the lower peninsula of Michigan* and the islands at the head of Lake Huron, *in* Alexander Winchell, Rep. State Geol. Surv. Michigan 1861(3): [243]-330.
(2) *List of trees and shrubs, in* W. Ludlow, Rept. reconn. Black Hills Dakota 1875, 67-73.
(3) Main founder and editor of the *American Geologist* 1888-1905.

EPONYMY: *Winchellia* Lesquereux (1893). *Note*: *Winchellina* H. Herzer (1893) honors Dr. Alex. Winchell, of Ann Arbor, Michigan, U.S.A. (see below).

NOTE: Winchell's brother, the geologist Alexander Winchell (1824-1891) published a *Catalogue of plants found growing without cultivation in the vicinity of Amenia seminary*, Rep. New York State Cabinet nat. Hist. 1851: 256-279. – For further information on Alexander Winchell's botanical activities (he was professor of geology, zoology and botany at Ann Arbor (Univ. Michigan) 1854-1873) see K.C. Jones, Michigan Academ. 9: 268, 272. 1977, and E.G. Voss, Contr. Univ. Mich. Herb. 13: 34, 35, 46, 58, 62, 69, 87. 1978. A small collection of plants collected by A. Winchell in Alabama is at US. For further information see ME 1: 241, 3: 679, and J.G. Wilson & J. Fiske, eds., Appleton's Cycl. Amer. biogr. 6: 560. 1889.

**17.927.** *Notes on the big woods* ... Extracted from the Annual Report of the [Minnesota] State Horticultural Society for 1875. Oct.
*Publ.*: 1875, p. [1]-4. *Copy*: NY. – Reprinted and to be cited from Trans. Minnesota State Hort. Soc. 1875: 47-50.

**Winckler, Emil Leonhard Wilhelm** (1824-ca. 1871), German pharmacist and botanist at Giessen. (*Winckler*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2336; Herder p. 70; PR 10321; Rehder 1: 224; SO 853a, 2719c; Tucker 3: 338.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 259: 242. 1965.
Högrell, B., Bot. hist. 213. 1886.

**17.928.** *Blüthen-Kalender* der deutschen und schweizer Flora. Für Mediciner, Pharmaceuten und Freunde der Botanik ... Kassel (Verlag und Druck von H. Hotop) 1848. Oct. (*Blüth.-Kal.*).
*Publ.*: 19-20 Jun 1848 (p. [vi]: Mar 1848; Hinrichs; Flora rev. 28 Aug 1848; Bot. Zeit. rev. 6 Oct 1848), p. [i-x], 1-168. *Copies*: G, M, NY.
*Ref.*: Fürnrohr, A.E., Flora 31: 525-526. 1848.

**17.929.** *Geschichte der Botanik* ... Frankfurt a.M. (Literarische Anstalt ...) 1854. Oct. (*Gesch. Bot.*).
*Publ.*: Jun-Jul 1854 (p. vi: Mai 1854; ÖbW 14 Sep 1854 (rev. 30 Nov 1854); Bot. Zeit. 25 Aug 1854), p. [i*-iv*], [i]-xvi, [1]-640. *Copies*: BR, G, H, HH, M, MO, NY, USDA.

**Windsor, John** (1787-1868), British surgeon and botanist; born at Settle, York; surgeon, Manchester from 1815. (*Windsor*).

HERBARIUM and TYPES: MANCH. – Some further material at BR, NMW, OXF (bryoph.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 506; BB p. 331; BL 2: 279, 733; BM 5: 2337; Clokie p. 266; CSP 6: 395, 8: 1251, 12: 786 (bibl.); Desmond p. 669 (d. 1 Sep 1868); GR p. 420-421; Jackson p. 250; LS 29066; Rehder 1: 402, 534; Tucker 1: 750.

BIOFILE: Anon., Proc. Linn. Soc. 1868-1869: cxx (obit. not.).
Boase, F., Modern English biogr. 6: 926-927. 1965.
Dallmann, A.A. & M.H. Wood, Trans. Liverpool Bot. Soc. 1: 107. 1909 (bibl.).
Graustein, J.E., Thomas Nuttall 480 [index, numerous references]. 1967. (Nuttall was a native of Settle, and a friend of Windsor, see Fl. cravon. p. [1]).
Hawksworth, D.L. & M.R.D. Seaward, Lichenology Brit. Isl. 1568-1975. 24, 172, 199. 1977 (herb. MANCH).
Kent, D.H., Brit. herb. 86. 1957 (coll. at MANCH).

Kent, D.H. & D.E. Allen, British and Irish herbaria 276. 1984 (Brit. coll.).
Moore, S., Fl. Cheshire xcii. 1899.

EPONYMY: *Windsoria* Nuttall (1818). *Note*: *Windsorina* Gleason (1923) honors the British royal family, the House of Windsor.

**17.930.** *Flora cravoniensis*, or a flora of the vicinity of Settle in Craven, Yorkshire, being a reprint, with additions and emendations, of papers published in "The Phytologist, between the years 1855 and 1858 inclusive ... Manchester (Cave & Sever, Printers, ...) 1873. Oct. (in 4-s). (*Fl. cravon.*).
*Publ.*: 1873 (p. x: posthumously publ., J. Windsor died 1 Sep 1868; privately published; J. Bot. Nov 1874 "1873. Not published"; p. 117: for private circulation only), p. [i]-x, [1]-177. *Copies*: HH, LIV, NY. – The book was effectively published even though it was "privately published". The text is an annotated and amended reprint of papers published in "Plants found in the neighbourhood of Settle", The Phytologist 1: 145-150, 173-178, 259-263, 348-354, 459-460. 1855-1856, 2: 12-18. Jan, 73-75. Apr 1857, 413-426. Mai, 464-466. Jun 1858.
*Ref.*: Trimen, H., J. Bot. 12: 348-349. 1874 (rev.).

**Wingate, Harold** (1852-1926), American businessman with the International Navigation Company and amateur botanist; student of Myxomycetes in Philadelphia. (*Wingate*).

HERBARIUM and TYPES: PH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 506 (b. 25 Aug 1852, d. 25 Mai 1926); Kelly p. 242; Lenley p. 439; LS 29068-29074 (bibl.); Stevenson p. 1263.

BIOFILE: Harshberger, J.W., Bot. Philadelphia 363. 1899 (bibl.).
Mears, J.A., Proc. Acad. nat. Sci. Philadelphia 133: 165. 1981 (coll. PH).

EPONYMY: *Wingina* O. Kuntze (1891).

NOTE: *A new genus of Myxomycetes* [*Orthotricha*], J. Mycol. 2(11): 125-126. Nov 1926, see also Proc. Acad. nat. Sci. 1889: 189.

**Winge, Øjvind** (1886-1964), Danish botanist; Mag. sci. (bot.) 1910; assistant at the physiological department of the Carlsberg laboratories, Copenhagen 1911-1921; Dr. phil. Copenhagen 1917; professor of genetics at the Agricultural College 1921-1933; lectured in genetics at Copenhagen University 1929-1935; professor at the Carlsberg laboratories and director of the physiological department 1933-1956; interested in mycological systematics, cytology, genetics and hybridization. (*Winge*).

HERBARIUM and TYPES: Some material in C. – *Letters* at FH, G.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 133, 329, 349; Barnhart 3: 506 (b. 19 Mai 1886); Biol.-Dokum. 19: 10086; BL 2: 56, 733; BM 5: 2337, 8: 1444-1445; Bossert p. 439; GR p. 679-680, cat. p. 73; Hortus 3: 325; Kelly p. 242; KR p. 767; LS 33214, 40645, suppl. 8174, 8176, 30176-30183; Stevenson p. 1263; TL-2/4178.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 259: 344-345. 1965; Hedwigia 73: (199). 1933 (app. dir. Carlsb. Lab., physiol. dept.); Kraks blå bog 1923-1969 (1969: 149; d. 5 Apr 1964).
Christensen, C., Dansk. bot. litt. 1880-1911: 246. 1913; Dansk. bot. hist. 1: 766, 815, 829. 1926; Dansk. bot. litt. 1912-1939. 123-129. 1940 (bibl.).
Hansen, A., Dansk bot. Ark. 21: 55-56. 1963 (curr. vit., portr.).
Jørgensen, C.A., *in* Engelstoft, P., ed., Dansk biogr. leks. 26: 86-90. 1944 (detailed biogr. sketch).
Lange, M., Bot. Tidsskr. 60: 133-135. 1964 (obit., portr.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 800. 1985.

N.-L., G., *in* Nordisk familjebok 20: 576. 1934.
Trolle, B., Nature 203: 123-124. 1964 (obit.).
Verdoorn, F., ed., Chron. bot. 1: 28, 30, 40, 351. 1935, 2: 28, 30. 1936, 7: 49, 96. 1937, 4: 245, 562. 1938, 5: 479. 1939.
Westergaard, M., Biogr. Mem. Fell. R. Soc. London 10: 357-369. 1964 (obit., portr., bibl. 89 nos.); C.R. Trav. Lab. Carlsberg 34: i-xxiv. 1965 (portr., obit.); Genetics 82(1): 1-7. 1976 (biogr., portr. bibl. 136 nos.).

COMPOSITE WORKS: Collaborator, J.E. Lange, *Fl. agaric. danic.* 1935-1940, 5 vols., TL-2/4178.

FESTSCHRIFT: Øjvind Winge on the occasion of his 70th birthday, May 19th 1956, 443 p., frontisp. portr., 4 pl.

EPONYMY: *Wingea* van der Walt (1967).

**17.931.** *Cytological studies in the Plasmodiophoraceae* ... Arkiv för Botanik Band 12. N:o 9. [1913].
*Publ.*: early Jan 1913 (printed 31 Dec 1912; Nat. Nov. Mar(1) 1913), p. [1]-39. *Copies*: H, Stevenson; IDC 8562 (91-92). – Issued and to be cited as Ark. Bot. 12(9). 1913 (date of issue in second part of vol. 12: 11 Aug 1913, but single numbers issued previously).

**17.932.** *Studies in the genus Entorrhiza* C. Weber ... Dansk botanisk Arkiv ... 1914. Oct.
*Senior author*: Carl Christian Frederic(k) (1879-1944), see TL-2/1: 825.
*Publ.*: Jul 1914, p. [1]-14. *Copies*: U; IDC 7414(9). – Issued and to be cited from Dansk bot. Ark. 2(1). 1914.

**17.933.** *Studier over planterigets chromosomtal* og chromosomernes betydning ... København (H. Hagerups Boghandel ...) 1917. Oct. (*Stud. planter. chromosomtal*).
*Publ.*: 17 Apr 1917 (date defense thesis; mss. accepted 26 Jan 1917), p. [i-v], [1]-143, [144, theses]. 1917. *Copies*: GB, LC, LD.
*English transl.*: 1917, cover-t.p., p. [131]-275. *Copy*: LD. – *The chromosomes. Their numbers and general importance*, C.R. Trav. Lab. Carlsberg 13: 131-275. 1917.

**17.934.** *On the relation between number of chromosomes and number of types*, in Lathyrus especially ... Cambridge (at the University Press) 1919. Oct.
*Publ.*: 24 Apr 1919, cover-t.p., p. [i], 133-138, *pl. 5*. *Copy*: B. – Reprinted and to be cited from J. Gen. 8(2): 133-138. *pl. 5*. 1919.

**17.935.** *The Sargasso Sea*, its boundaries and vegetation ... [Copenhagen (Andr. Fred. Høst & Søn ...)] 1923. Qu. (*Sargasso Sea*).
*Publ.*: 30 Apr 1923, p. [1]-34, 17 figs., 2 maps. *Copy*: NSUB. – Rep. Dan. Oceanogr. Exp. 1908-1910, 3, Misc. Papers, paper no. 2. 1923.

**Winkelmann, Johannes** (1842-1921), German (Berlin) high school teacher, botanist and conservationist; ultimately professor at the Schiller-Realgymnasium in Stettin. (*Winkelmann*).

HERBARIUM and TYPES: Some material in B (mainly destr.), C and POZ.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 166; Barnhart 3: 506 (b. 13 Sep 1842, d. 7 Nov 1921); Biol.-Dokum. 19: 10082; BM 5: 2337; CSP 19: 661; SBC p. 135; Tucker 1: 750; Urban-Berl. p. 317, 410.

BIOFILE: Anon., Hedwigia 63: (150). 1922 (d.); Rev. bryol. lichénol. 20(6): 109, 1893, 22(3): 47. 1895.
Kolkwitz, R., Verh. bot. Ver. Brandenburg 64: 185. 1922 (d.).
Sayre, G., Bryologist 80: 520. 1977 (mosses at POZ).
Szweykowski, J., Prodr. Fl. Hepat. Polon. 574. 1958.

**17.936.** *Die Moosflora der Umgegend von Stettin* ... [Programm des Schiller-Realgymnasiums Stettin 1893]. Qu.
*Publ.*: Mar-Apr 1893 (program for Easter 1893; Bot. Zeit. 1 Oct 1894; Nat. Nov. Mai(2) 1893), p. [1]-18. *Copies*: B, M. – Issued as part of the Progr. Schiller-Realgymn. Stettin 1893.
*Ref.*: Warnstorf, C.F.E., Bot. Centralbl., Beih. 3(5): 371-372. 1893.

**Winkler, [Karl Gustaf] Adolf** (1810-1893), German (Silesian) military administrator and botanist, pseudonym A. Carex; studied law and military administration in Berlin; "Intendantur-Assessor" [assistant military administrator] at Koblenz 1840-1843, Frankfurt a.O. 1843-1844; in Berlin id. 1844-1848, administrator 1848-1857, senior administrator ("ältester Rat") Breslau 1857-1860; from 1860 in Berlin; administrator of the third Prussian army corps in the Franco-Prussian war 1870-1871; from 1871 in retirement as "Geheimer Kriegsrat"; brother of Moritz Winkler; treasurer of the Botanische Verein der Provinz Brandenburg 1870-1890. (*A. Winkl.*).

HERBARIUM and TYPES: B (seedling herbarium left to B on his death; main herbarium via P. Ascherson also to B; this material mostly destr., but a significant number of specimens extant in herb. Ullepitsch), GOET (Koblenz material), WRSL (in herb. M. Winkler). – *Library* left to the Bot. Ver. Prov. Brandenburg (now destr.). – *Letters* at G, Sondershausen (see Müllerott (1980)), UPS-UB. – *Manuscripts*: 20 vols. of drawings of seedlings were at B (rd. 1910 from A. Magnus; destr. 1943).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 507 (b. 27 Nov 1810, d. 29 Nov 1893); Biol.-Dokum. 19: 10084-10085; CSP 6: 395, 11: 824, 12: 786-787, 19: 661-662; Morren ed. 10, p. 7; Rehder 5: 926; Urban-Berl. p. 411; Zep-Tim p. 181.

BIOFILE: Anon., Bot. Jahrb. 18 (Beibl. 43): 47. 1893 (d.); Österr. bot. Z. 44: 80. 1894 (d.); Verh. bot. Ver. Brandenburg 35: [iii*], lxxviii. 1894 (death notice, d. 29 Nov 1893).
Ascherson, P., Verh. bot. Ver. Brandenburg 35: xxxii-xxxvii. 1894 (obit., bibl.); Ber. deut. bot. Ges. 12: (11)-(13). 1894 (obit.).
Lack, H.W. & D. Wagner, Willdenowia 14: 432. 1984 (coll. B).
Milde, J., Verh. bot. Ver. Brandenb. 3-4: 290-295. 1862 (note on W.'s paper on the Silesian Flora in id. 2: 107-115. 1860).
Müllerott, M., Hoppea 39: 62. 1980 (letters to Th. Irmisch).
Natho, G., Gleditschia 12: 171-179. 1984 (Am Rande. A. Carex [= A. Winkler] und seine Karikaturen; further biogr. and bibl. documentation).
Wittrock, V.B., Acta Horti Berg. 3(2): 147. 1903, 3(3): 156, *pl. 132*. 1905.

**17.937.** *Leiden und Freuden des Botanikers* in Feder-Zeichnungen von A. Carex. Heft 1 [-2]. Berlin (in Commission bei Hermann Müller ...) 1870. Oct. (*Leiden Freud. Bot.*).
*Publ.*: 1870, Heft 1: t.p. and 30 drawings, Heft 2: t.p. and 31 drawings. *Copy*: DS (Engler coll.).
*Facsimile ed.*: 15 Mai 1976, as original. *Copies*: FAS, G, MO. – Published on the occasion of the combination of DS and CAS. – For further information see G. Natho (1984); see also Taxon 25: 651-652. 1976.
*Note*: Natho reproduces also the t.p. of *Illustrationen zur deutschen Flora in Feder-Zeichnungen* von A. Carex, zweite vermehrte Ausgabe, Berlin (id.), 1870, and mentions in the text the first edition of this title of 1864. Dr. H.W. Lack found a copy of the original 1864 edition for us in B: *Illustrationen zur deutschen Flora* gezeichnet von A. Carex. Berlin (Für die Mitglieder des botan. Vereins gedruckt). 1864, a manuscript reproduced by lithography consisting of 41 unnumbered leaves carrying handcoloured botanical illustrations without text).

**17.938.** *Über die Keimblätter der deutschen Dicotylen* ... [Verh. bot. Ver. Brandenburg 1874]. Oct.
*Publ.*: 4 Sep 1877, p. [6]-21, *pl. 2*. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 16: 6-21, *pl. 2*. 1877.
*Nachtrag 1*: 1 Apr 1875, id. 16: 54-56. 1875.

*Nachtrag 2*: 20 Jun 1877, p. [105]-108. *Copy*: B. – Id. 18: 105-108. 1877.

**17.939.** *Die Keimpflanzen der Koch'schen Sisymbrium-Arten* ... [Linnaea 1880]. Oct.
*Publ.*: Jul 1880, p. [59]-65, [66], *pl. 1*. *Copy*: B. – Reprinted and to be cited from Linnaea 43(1): 59-65. *pl. 1*. 1880.

**17.940.** *Die Keimblätter der deutschen Dicotylen* ... Separatabzug aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg [1884]. Oct.
*Publ.*: 25 Oct 1884, p. [30]-41, *pl. 1*. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 26: 30-41. *pl. 1*. 1884.

**17.941.** *Die Keimblätter der Koch'schen Clematis-Arten* ... Separatabzug aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg [1888]. Oct.
*Publ.*: 7 Jan 1888, p. [37]-40, *pl. 1*, p. [41]-43 (*Die Keimpflanze der Corylus avellana* L). *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 29: [37]-43, *pl. 1*. 1888.

**17.942.** *Über das Arten-Recht des Chenopodium opulifolium* Schrad. und C. ficifolium Sm. ... Separatabzug aus den Abhandlungen des Botanischen Vereins der Provinz Brandenburg ... 1888. Oct.
*Publ.*: 2 Mai 1888, p. [112]-113. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 29: 112-113. 1888.

**Winkler, Constantin** [Konstantin] **Georg Alexander** (1848-1900), Russian botanist of Baltic German origin; studied botany at Dorpat 1871-1874; assistant botanical garden Dorpat 1874-1879; curator of the herbarium of the St. Petersburg botanical garden 1879-1897; head botanist ib. 1897-1899; from 1899-1900 in Wesenberg. (*C. Winkl.*).

HERBARIUM and TYPES: LE. – Further material possibly at TU. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: BJI 1: 64; Bret. p. 1076; CSP 11: 825, 12: 787; De Toni 1: cxxxii; DTS 1: 329; Herder p. 485 [index]; Hortus 3: 1207; LS 29075-29077; Morren ed. 10, p. 95; MW p. 533; Rehder 5: 926; TR 1604-1605; Tucker 1: 750.

BIOFILE: Anon., Bot. Centralbl. 1-2: 320. 1880 (app. St. Petersburg), 55: 262. 1893 (coll. LE), 80: 240. 1899 (leaves St. Petersburg); Hedwigia 38: 297. 1899 (leaves St. Petersburg).
Lipschitz, S., Florae URSS fontes no. 275. 1975.
Welding, O. et al., Deutschbalt. biogr. Lex. 1710-1960. 870. 1970 (b. Velikie Luki 14 Jun 1848, d. 3 Feb 1900).
Winkler, C., S.B. Dorpat naturf. Ges. 4(1): 29-35. 1876 (a report on the contents of the herbarium of the Dorpater Gesellschaft, now at TU).

**17.943.** *Literatur und Pflanzenverzeichniss der Flora baltica* ... Dorpat (Verlag der Dorpater Naturforscher-Gesellschaft) 1877. Oct.
*Publ.*: 1877 (p. [ii]: 30 Apr 1877), p. [i-ii], [1]-104. *Copies*: G, H, HH, NY. – Reprinted and to be cited from Arch. nat. Liv.-Ehst- Kurlands ser. 2. 7(4): 387-490. 1877. The reprint has corrigenda as p. ii.

**17.944.** *Decas compositarum novarum Turkestaniae* nec non Bucharae incolarum. Auctore C. Winkler. Petropoli [St. Petersburg] 1885. Oct. (*Dec. comp. Turkest.*).
[*1*]: 1885 (Bot. Centralbl. 2-6 Nov 1885), p. [1]-12. – Preprinted from Acta Horti Petrop. 9(2): 417-428. [Journal issue publ.:] 1886.
*2* [altera]: 1885 (Bot. Centralbl. 12-16 Apr 1886), p. [1]-12. – Id. 10(1): 515-526. 1886.
*3*: late 1886 or early 1887 (Bot. Centralbl. 7-11 Mar 1887; Nat. Nov. Sep 1888), p. [1]-12. – Id. 10(2): 83-94. 1887.
*4*: 1888 (Bot. Zeit. 27 Jul 1888), p. [1]-15. – Id. 10: 465-479. 1888.
*5*: 1888 (Bot. Centralbl. 17 Apr 1889), p. [1]-12. – Id. 10: 569-580. 1888.
*6*: 1889 (p. ii: 21 Dec 1889; Bot. Centralbl. 20 Feb 1890), p. [i-ii], [1]-12. – Id. 11(3): 161-172. 1890.

*7*: 1890 (p. 2: 13 Jun 1890; HH copy rd. 17 Aug 1890 by Herder), p. [1]-14, *pl. 1-2*. – Id. 11(5): 273-286, [preprint "386"], *pl. 1-2*. 1890.
*8*: 1890 (p. 2: 9 Oct 1890), p. [1]-12. – Id. 11(9): 317-326. 1890.
*9*: 1890 (p. 2: 19 Dec 1890), p. [1]-12. – Id. 11(10): 327-338. 1890.
*10*: 1891 (p. 2: 11 Mai 1891), p. [1]-13. – Id. 11(12): 369-381. 1892.
*Copies*: BR, G, HH, NY.

**17.945.** *Plantae Turcomanicae* a Radde, Walter, Antonow aliisque collectae. *Compositae* Acti Horti Petropolitani ... 1889. Oct.
*Publ.*: 1889 (p. [2]: 24 Nov 1889; Nat. Nov. Mai(2) 1889), p. [1]-47, *pl. 1-3*. *Copies*: G, H, HH, NY. – Reprinted and to be cited from Acta Horti Petrop. 11(2): 115-159, *pl. 1-3*.

**17.946.** *De Cancriniae* Kar. et Kir. genere ... Acta Horti Petropolitanae ... 1892. Oct.
*Publ.*: 1892 (p. 2: 27 Aug 1892), p. [1]-9, [10]. *Copies*: BR, G. – Reprinted and to be cited from Acta Horti Petrop. 12(2): 23-30. 1892.

**17.947.** *Synopsis specierum generis Cousiniae* Cass. ... Acta Horti Petropolitani ... 1892. Oct.
*Publ.*: 1892 (p. [ii]: 24 Nov 1892; Bot. Centralbl. 8 Mar 1893; Nat. Nov. Jun(1) 1893), p. [1]-108. *Copies*: BR, G, H, HH. – Reprinted and to be cited from Acta Horti Petrop. 12(7): [181]-286.

**17.948.** *Diagnoses compositarum novarum asiaticarum* Decas I. ... Acta Horti Petropolitani ... 1893. Oct.
*1*: 1893 (p. [2]: 23 Apr 1893), p. [1]-12. – Reprinted and to be cited from Acta Horti Petrop. 13(1): [1]-12. 1893.
*2*: 1894, p. [i-ii], [235]-245. – Id. 13(13): [233]-245. 1894.
*3*: 1895 (Nat. Nov. Sep(1) 1896), p. [i-ii], [149]-157. – Id. 14(6): [147]-157. 1895.
*Copies*: BR, G, HH, NY.

**17.949.** *Carpesii* L. *generis species adhuc notas* brevi in conspectu posuit ... Acta Horti Petropolitanae ... 1895. Oct.
*Publ.*: 1895, p. [1]-22. *Copies*: BR, G. – Reprinted and to be cited from Acta Horti Petrop. 14(2): [53]-74. 1895.

**17.950.** *Neue Cousinien des Orients* ... Genève (Imprimerie Romet, ...) 1895. Oct.
*Junior author*: Joseph Friedrich Nicolaus Bornmüller (1862-1948), TL-2/1: 283-284.
*Publ.*: Nov 1895 (Nat. Nov. Dec 1895), cover-t.p., p. [1]-9, *pl. 13-15*. *Copy*: G. – Reprinted and to be cited from Bull. Herb. Boissier 3(11): [561]-569, *pl. 13-15*. 1895.
*Continuation*: Mar 1897, p. [1]-7. – Id. 5: 164-170. 1897.

**17.951.** *Mantissa synopsis specierum generis Cousiniae* Cass. ... Acta Horti Petropolitani ... 1897. Oct. (*Mant. syn. Cousiniae*).
*Publ.*: 1897 (date on journal issue 14(9), t.p. journal volume second half 1898), p. [1-2], photo tipped-in, 3-59. *Copies*: G, H. – Preprinted from Acta Horti Petrop. 14(9): 185-243. 1898.

**Winkler, Eduard** (1799-?), German author of botanical-pharmaceutical illustrated works in Eutritzsch near Leipzig. (*E. Winkl.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2338; Herder p. 414; Jackson p. 201; NI 1114, 2167-2169 (b. Leipzig); Plesch p. 461; PR 10326-10334, ed. 1: 11296-11307; Rehder 5: 926; Sotheby 815-817; TL-2/4040; Tucker 1: 750.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 381-382. 1965.

COMPOSITE WORKS: (1) Editor, with A. Weinlig, of *Pharmaceutisches Central-Blatt* 1839-1844.

(2) Contributed plates to G. Kunze, *Farrnkräuter* 1840-1851, TL-2/4040.

NOTE: Our coverage of the products of this industrious botanical artist of modest genius is incomplete. His books seem to be rather rare and have now only historical value.

**17.952.** *Sämmtliche Giftgewächse Deutschlands*, naturgetreu dargestellt und allgemein fasslich beschrieben von Eduard Winkler, Ph.Dr. Mit einer Vorrede von Fr. Schwägrichen ... Berlin (In Commission bei W. Natorff u. Comp.) 1831. Oct. (*Sämtl. Giftgew. Deutschl.*).
*Preface*: Christian Friedrich Schwägrichen (1775-1853), TL-2/5: 416-419.
*Ed.* [*1*]: 1831, p. [i*-iii*], [i]-xi, [xii, err.], [1]-119, *pl. 1-12, 13a, 13b, 14-95* (col. copp.). *Copy*: NY.
*Ed. 2*: 1835 (p. vi: Jan 1835; in 10 Lieferungen, no. 1: 8-14 Mar 1835, no. 10: 1-7 Nov 1835), p. [i]-xiv, [1]-130, *pl. 1-100* (col. copp.). *Copies*: HH, NY. – Leipzig (Magazin für Industrie und Literatur) 1835.
*Ed. 3*: 1854 (ÖbZ 19 Jan 1854 as of "1853"), p. [i]-xiv, [1] -120, *pl. 1-100* (id.). *Copies*: BR, G, NY. – Leipzig (Friedrich Voigt) 1854.
*Ref.*: Tecoz, R.-M., Librarium 15(3): 166-179. 1972.

**17.953.** *Abbildungen sämmtlicher Arzneigewächse Deutschlands*, welche in die Pharmacopöen der grössern deutschen Staaten aufgenommen sind. Nach der Natur gezeichnet von Eduard Winkler, ... Leipzig (Magazin für Industrie und Literatur) [1872]. Qu. (*Abbild. Arzneigew. Deutschl.*).
*Publ.*: 1832 (and subsequent years?), p. [i, engr. t.p.], *pl. 1-192* (col. copp.). Copies: NLM, NY (plates).
*Text volume*: 1834 (p. viii: Dec 1833), *Sämmtliche Arzneigewächse Deutschlands*, ... Leipzig (id.) 1834, p. [i]-viii, [1]-783. *Copy*: NLM (*Sämmtl. Arzneigew. Deutschl.*).
*Supplementary text and plates*: 1834, p. [i], [1]-40, [41-42], *pl. 1*-16*. *Copy*: NLM.

**17.954.** *Abbildungen der Arzneigewächse welche homöopatisch geprüft worden sind und angewendet werden* ... Leipzig (Magazin für Industrie und Literatur) [1834-1836]. Qu. (*Abbild. Arzneigew. homöopat. gepr.*).
*Publ.*: 1834-1836 (published in 13 Lieferungen of *12 plates*; nos. 1-12 and Ergänzungsheft [13], no. 1 Hinrichs 6-12 Jul 1834, nos. 12-13. 17-23 Jan 1836), p. [i, engr. t.p.], *pl.* (*1-158*] col. copp. *Copies*: BR (154 pl.), NY (158 pl.). Number of plates according to t.p.: *156*. – PR ed. 1 no. 11302 gives a different title.

**17.955.** *Ausführliche Beschreibung sämmtlicher Arzneigewächse*, welche homöopatisch geprüft worden sind und angewendet werden. Für Homöopathiker zur Benutzung beim Einsammeln der Arzneikörper aus dem Pflanzenreiche ... Leipzig (Magazin für Industrie und Literatur) 1836. Oct. (*Ausführl. Beschr. Arzneigew.*).
*Publ.*: 17-23 Jan 1836 (p. xii: Nov 1835; Hinrichs), p. [i]-xii, [1]-312. *Copy*: NY. – Text for *Abbild. Arzneigew. homöopat. gepr.* 1834-1836, see above.

**17.956.** *Vollständiges Real-Lexikon der medicinisch-pharmaceutischen Naturgeschichte* und Rohwaarenkunde. Enthaltend: Erklärungen und Nachweisungen über alle Gegenstände der Naturreiche, welche bis auf die neuesten Zeiten in medicinisch-pharmaceutischer, toxikologischer und diäbetischer Hinsicht bemerkenswerth geworden sind. Naturgeschichtlicher und pharmakologischer Commentar jeder Pharmakopöe für Aerzte, Studirende, Apotheker und Droguisten ... Leipzig (F.A. Brockhaus) 1840-1842, 2 vols. Oct. (*Vollst. Real-Lex. Naturgesch.*).
*1* (*A-L*): 1838-1840 (p. xii: Jan 1840; in six Hefte(?) Heft 1: 7-13 Oct 1838 (Hinrichs), Heft 6: 19-25 Jul 1840), p. [i]-xii, [xiii], [1]-953, [954].
*2* (*M-Z*): 1842 (in 5 Hefte(?), Heft 8: 29 Nov-5 Dec 1840 (Hinrichs), Heft 11: 20-22 Feb 1842), p. [i]-xvi, [1]-1214, [1, err.].
*Copy*: MO.

**17.957.** *Charactere der Gattungen und Arten sämmtlicher officinellen Pflanzen* nebst Erklärung der Abbildungen derselben ... Leipzig (Verlag von C.B. Polet) [1846]. Duod. (*Char. off. Pfl.*).

*Publ.*: 1846, p. [1]-108. *Copies*: HH, MO.
*Note*: Text accompanying *Getreue Abbildung aller in den Pharmacopöen Deutschlands aufgenommenen officinellen Gewächse* ... published in Lieferungen 1840-1844. Came out in various "editions", in all with 270 pl. (in 54 Lieferungen of 5 plates each), of which we saw "eds." 4 and 6 in HH. Hinrichs cites the first edition of this work as "Handbuch" published in 54 Lieferungen between 20-26 Dec 1840 and 3-6 Apr 1844 (incomplete copy at NY).

**17.958.** *Handbuch der medicinisch-pharmaceutischen Botanik.* Nach den neuesten Entdeckungen bearbeitet ... Leipzig (Verlag von C.B. Polet) [1850]. Duod. (*Handb. med.-pharm. Bot.*).
*Publ.*: 1850, p. [i], [1]-712. *Copies*: HH, MO, NY.
*Ed. 2*: 1863, p. [i], [1]-712. *Copy*: MO. – Leipzig (Wilhelm Baensch Verlagshandlung) 1863.

**17.959.** *Pharmaceutische Waarenkunde* oder Handatlas der Pharmakologie enthaltend Abbildungen aller wichtigster pharmaceutischen Naturalien und Rohwaaren nebst genauer Charakteristik und kurzer Beschreibung ... Leipzig & Heidelberg (C.F. Winter'sche Verlagshandlung) [1844-] 1857. (*Pharm. Waarenk.*).
*Publ.*: 1844-1857 (in Lieferungen), p. [i]-viii, [1]-12, [i]-xxiv, [1-2], *pl.* [*1-190*] (with text). *Copy*: MO (col. copp.). – May have come out also earlier, PR 10332 mentions 1844-1851, Leipzig, Schäfer. The preface (p. viii) is dated 20 Aug 1844. Hinrichs cites the publication of the 2. Lieferung 27 Feb-1 Mar 1845. – Junk, cat. 206, 1977, no. 329 offered a copy dated 1852, 2 vols., viii, 12, *189 pl.*, which may represent the (almost completed) first issue, not seen by us.

**Winkler, Hans Karl Albert** (1877-1945), German (Sachsen) botanist; studied at Kiel 1895; Leipzig 1895-1898; Dr. phil. ib. 1898; hon. lecturer botany Tübingen 1901-1905; travelled to Ceylon, Java, New Guinea, New Zealand, Samoa and North America 1903-1904; extra-ordinary professor of forest botany Tübingen 1905-1912; head of the scientific division of the Hamburg botanical institutes and professor of botany 1912-1945 (director Inst. Allg. Bot. Univ. Hamb. from 1919); in Central Borneo 1924-1925; died in Dresden. (*Ha. Winkl.*).

HERBARIUM and TYPES: HBG. – Other material in BM, E, G, K, TUR-V. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 507; Biol.-Dokum. 10087-10089; BJI 2: 192; BM 8: 1445; CSP 19: 663; Hirsch p. 326; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Lenley p. 439; LS 40647; Moebius p. 157, 458 [index]; SK 1(4): clxi, 578-579 (itin.,coll., portr.), 4(2): cxlvi, 5: cccxxxiii, 8: cviii; TL-2/see indexes; Tucker 3: 338.

BIOFILE: Anon., Bot. Centralbl. 87: 160. 1901 (habil. Tübingen), 93: 336. 1903 (to Buitenzorg), 96: 416. 1904 (back from Buitenzorg), 99: 96. 1905 (titular e.o. prof.), 101: 432. 1906 (regular e.o. prof.), 120: 320. 1912 (app. Hamburg), 140: 368. 1919 (dir. Inst. allg. Bot. Hamburg); Bot. Zeit. 64: 128. 1906 (regular e.o. prof. Tübingen), 68: 136. 1910 (prize Vahlbruchstiftung); Hamburger Nachrichten 4 Apr 1925 (account trip Borneo); Hedwigia 40: (175). 1901 (habil.), 42: (350). 1903 (to Buitenzorg), 45: (38) (e.o. prof. forest. bot. Tübingen), (161) (regular e.o. prof. applied bot., ib.) 1906, 53: (96), (235). 1912 (app. Hamburg); Nat. Nov. 23: 471. 1901 (habil. Tübingen), 27: 427, 460. 1905 (e.o. prof. forest botany Tübingen), 41: 80. 1919 (dir. Inst. allg. Bot. Hamburg); Österr. bot. Z. 55: 372. 1905 (e.o. prof. Tübingen), 62: 351. 1912 (app. Hamburg), 68: 292. 1919 (ord. prof.).
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Brabec, F., Ber. deut. bot. Ges. 68a: 27-32. 1955 (obit., portr., bibl.); Mitt. Staatsinst. Allg. Bot. Hamburg 11: 7-8. 1957 (obit.).
Degener, H.A.L., Wer ist's eds. 4-10. 1909-1935.
Dobat, K. & K. Mägdefrau, Attempto 55-56: 25 (note 99). 1975.
Höfler, K., Almanach Österr. Akad. Wiss. 98: 243-250. 1948 (obit.).

Jacobs, Herman Johannes Lam 30, 31. 1984.
Reinke, J., Mein Tagewerk 203, 313. 369f. 1925.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 348. 1914.

COMPOSITE WORKS: (1) Founder with W.O.E. Ruhland, and co-editor of *Planta* vols. 1-34, 1925-1945.
(2) *Entwicklungsmechanik oder Entwicklungsphysiologie der Pflanzen*, *in* Handw.-Buch Naturw. 3: 634-667. 1912.
(3) *Fortpflanzung der Gewächse* 6. *Apogamie und Parthenogenesis*, *in* Handw.-Buch Naturw. 4: 265-276. 1913.
(4) *Translation*, *Propfung*, *Propfbastarde*, *in* Handw.-Buch Naturw. 10: 18-29. 1913.

THESIS: Untersuchungen über die Stärkebildung in den verschiedenartigen Chromatophoren, Jahrb. wiss. Bot. 32: 525-556. 1898. Diss. Leipzig.

FESTSCHRIFT: Irmscher, E., ed., *Festschrift für Hans Winkler*, Mitt. Inst. allg. Bot., Hamburg 10, 1939 (publ. 10 Sep 1939).

EPONYMY: *Winklerella* Engler (1905). *Note*: The etymology could not be determined for *Winklera* Regel (1886) and *Winkleria* H.G.L. Reichenbach (1841).

**17.960.** *Ueber Polarität, Regeneration und Heteromorphose bei Bryopsis* ... Leipzig (Gebrüder Borntraeger) 1900. Oct.
*Publ.*: 1900 (Nat. Nov. Dec(1) 1900), p. [i], [449]-469. *Copy*: B. – Reprinted and to be cited from Jahrb. wiss. Bot. 35(3): 449-469. 1900.

**17.961.** *Untersuchungen zur Theorie der Blattstellungen* I. ... Leipzig (Gebrüder Borntraeger) 1901. Oct.
*1*: Mar 1901 (p. 73: Dec 1900; Bot. Zeit. rev. 16 Sep 1901; Nat. Nov. Apr(2) 1901), p. [i], [1]-79, *pl. 1-4* (uncol. auth.). – Reprinted and to be cited from Jahrb. wiss. Bot. 36(1): 1-79, *pl. 1-4*. 1901.
*2*: 1903 (p. 542: Sep 1902; Nat. Nov. Apr(1) 1903), p. [i], [501]-544, *pl. 8*. – Id. 38(4): [501]-544, *pl. 8*. 1903.
*Note*: See also his *Zur Theorie der Blattstellungen* (Erwiderung an Schwendener), Bot. Zeit. 59(2): 280-284. 1901.

**17.962.** *Ueber Merogonie und Befruchtung* ... Leipzig (Gebrüder Borntraeger) 1901. Oct.
*Publ.*: 1901 (Nat. Nov. Nov(2) 1901), p. [i], [753]-775, [776]. *Copy*: B. – Reprinted and to be cited from Jahrb. wiss. Bot. 36(4): 753-775. 1901.

**17.963.** *Über regenerative Sprossbildung auf den Blättern von Torenia asiatica* L. ... Berlin (Gebrüder Borntraeger) 1903. Oct.
*Publ.*: 25 Mar 1903, cover-t.p., p. [i, recto of 96], [96]-107. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 21(2): [96]-107. 1903.

**17.964.** *Über Parthenogenesis bei Wikstroemia indica* (L.) C.A. Mey. ... Berlin (Gebrüder Borntraeger) 1904 [i.e. 1905]. Oct.
*Publ.*: 25 Jan 1905, cover-t.p., p. [573]-580. *Copies*: B, G. – Reprinted and to be cited from Ber. deut. bot. Ges. 22(10): [573]-580. 1905. – See also Der Tropenpflanzer 10: 69-81. 1906.

**17.965.** *Botanische Untersuchungen aus Buitenzorg* I. ... Leide [Leiden] (Librairie et Imprimerie ci-devant E.J. Brill ...) 1905. Oct.
*1*: 1905, p. [1]-52, *pl. 1*. *Copies*: B, G. – Reprinted and to be cited from Ann. Jard. bot. Buitenzorg ser. 2. 5: 1-52, *pl. 1*. 1905.
*2*: 1906 (Bot. Zeit. rev. 16 Apr 1907), p. [i, recto of 208], [208]-278, *pl. 20-23*. *Copies*: B, G. – Id. ser. 2. 5: 208-276.
*Note*: Hans Winkler worked at the visitor's laboratory at the Botanical Gardens Buitenzorg from 9 Nov 1903-24 Mai 1904.

**17.966.** *Über Propfbastarde und pflanzliche Chimären* ... Berlin (Gebrüder Borntraeger) 1907 [i.e. 1908]. Oct.
*Publ.*: 27 Jan 1908, cover-t.p., p. [i, recto of 568], 568-576. *Copies*: B, G. – Reprinted and to be cited from Ber. deut. bot. Ges. 25(10): 568-576. 1908.

**17.967.** *Solanum tubingense*, ein echter Propfbastard zwischen Tomate und Nachtschatten ... Berlin (Gebrüder Borntraeger) 1908. Oct.
*Publ.*: 26 Nov 1908, cover-t.p., p. [595]-608. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 26a(8): 595-608. 1908.

**17.968.** *Parthenogenesis und Apogamie im Pflanzenreiche* ... Jena (Verlag von Gustav Fischer) 1908. Oct.
*Publ.*: 1908 (ÖbZ for Mai-Jun 1908; Nat. Nov. Aug(1) 1809), p. [i-ii], [1]-166. *Copies*: BR, FH, G, H, MO, NY. – Also issued in Progressus rei bot. 2: 293-454. 1908.

**17.969.** *Weitere Untersuchungen über Propfbastarde* ... Jena (Verlag von Gustav Fischer) 1909. Oct.
*Publ.*: 1909, cover-t.p., p. [315]-349, [i, colo.], *pl. 1*. *Copies*: B, G. – Reprinted and to be cited from Z. Bot. 1(5): 315-349, *pl. 1*. 1909.

**17.970.** *Untersuchungen über Propfbastarde.* Erster Teil. Die unmittelbare gegenseitige Beeinflussing der Propfsymbionten ... Jena (Verlag von Gustav Fischer) 1912. Oct. (*Unters. Propfbast.*).
*Publ.*: 1912 (p. vi: Nov 1911), p. [i]-viii, [1]-186. *Copies*: B, HH, LD, MO, NY, USDA.

**17.971.** *Über die experimentelle Erzeugung von Pflanzen mit abweichenden Chromosomenzahlen* ... Jena (Verlag von Gustav Fischer) 1916. Oct.
*Publ.*: 1916, cover-t.p., p. [417]-531, *pl. 4-6*. *Copies*: B, G. – Reprinted and to be cited from Z. Bot. 8 (7-8): 417-531, *pl. 4-6*. 1916.

**17.972.** *Verbreitung und Ursache der Parthenogenesis* im Pflanzen- und Tierreiche ... Jena (Verlag von Gustav Fischer) 1920. Oct. (*Verbr. Urs. Parthenogen.*).
*Publ.*: 1920 (ÖbZ for Nov-Dec 1920), p. [i]-vi, [1]-231, [232]. *Copy*: NSUB.

**17.973.** *Über eine Rafflesia aus Zentralborneo* ... Berlin (Verlagsbuchhandlung Julius Springer) 1927. Oct. (*Rafflesia Zentralborneo*).
*Publ.*: Jul 1927 (reprint (copy NY) rd. from author Jul 1927), p. [i-ii], [1]-97, *pl. 1*. *Copies*: B, M, NY, U, US. – Preprinted or reprinted from Planta 4 (1-2): 1-97, *pl. 1*. 1927 (4 (1-2)) "abgeschlossen am 6 Juli 1927", USDA rd. 8 Aug 1927).

**17.974.** *Die Konversion der Gene* eine Vererbungstheoretische Untersuchung ... Jena (Verlag von Gustav Fischer) 1930. Oct. (*Konversion Gene*).
*Publ.*: 1930, p. [i-v], [1]-186. *Copies*: B, NSUB, NY.

**17.975.** *Bemerkungen über Mangrove-Pflanzen* und den Amorphophallus Titanum im Hamburger Botanischer Garten ... Berlin 1931. Oct.
*Publ.*: 26 Mar 1931, cover-t.p., p. [87]-102, *pl. 6-9*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 49(2): 87-102, *pl. 6-9*. 1931.

**17.976.** *Über die eigenartige Stellung der Blüten bei* der Rubiacee *Stichianthus minutiflorus* Valeton ... Berlin (Verlagsbuchhandlung Julius Springer) 1931. Oct.
*Publ.*: 3-21 Mar 1931 (text closed 3 Mar 1931; USDA rd. 31 Mar 1931), cover-t.p., p. [85]-101. *Copy*: B. – Reprinted and to be cited from Planta 13(1): 85-101. 1931.

**17.977.** *Konversions-Theorie und Austausch-Theorie* ... Leipzig (Georg Thieme Verlag) 1932. Oct.
*Publ.*: 1932, cover-t.p., p. [163]-189. *Copy*: B. – Reprinted and to be cited from Biol. Zentralbl. 52(3) 163-189. 1932. – See also his *Die Konversion der Gene*, Jena 1930, 186 p.

**Winkler, Hubert** [J.P.] (1875-1941), German (Prussian/Brandenburg) botanist; studied at Breslau University 1895, at first theology, later botany; Dr.phil. Breslau 1905 with F.A. Pax; assistant with the "Landwirtschaftskammer" Breslau 1900-1901; assistant at the Botanical Garden and Museum Breslau 1901-1902; with the Botanical Museum Berlin 1902-1904; regional botanist Botanical Garden, Victoria, Cameroon 1904-1906; habil. Breslau 1906; with the Breslau Botanical Museum from 1906, assistant and lecturer 1906-1912, titular professor 1912; travelled in Borneo, Java, Malaysian Peninsula and Singapore 1908, in East Africa 1910; on active service in World-War I 1914-1919; extraordinary professor of plant geography 1921, from 1927 ordinary prof. also for systematic botany. (*Hu. Winkl.*).

HERBARIUM and TYPES: B (mainly destr.) and WRSL. – Further material at BM, C, G, K, L, MO, NY, P, PC, PRE, WRSL, Z. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 408; Backer p. 628; Barnhart 3: 507 (b. 13 Feb 1875, d. 10 Jun 1941); Biol.-Dokum. 19: 10089-10090; BJI 2: 192; BM 8: 1445; Bossert p. 439; DTS 6(4): 208; Futak-Domin p. 660; Hirsch p. 326; Hortus 3: 1207; Langman p. 808; Moebius p. 147, 376; SK 1: cxxiii, 579-580 (itin., coll. portr.), 4: cl, 5: cccxxxiii; SO 2947a, 2960, 3690; TL-2/1711, 1713, 2364, see F.A. Pax; Urban-Berl. p. 270, 284, 292, 317, 411; Zep-Tim. p. 118-119.

BIOFILE: Anon., Bot. Centralbl. 102: 592. 1906 (habil. Breslau); Hedwigia 41: (207). 1902 (asst. Berlin), 46: (144). 1907 (habil. Breslau), 52: (155). 1912 (app. prof.); Nat. Nov. 23: 425. 1901 (first asst. Breslau), 28: 627. 1906 (habil. ib.); Österr. bot. Z. 62: 247. 1912 (titular prof. Breslau).
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Pax, F., Bibl. schles. Bot. 11, 30, 69, 136, 141, 142, 144, 147, 148. 1929.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 348. 1914.
Unruh, M., Ber. deut. bot. Ges. 59: (145)-(169). 1941 (obit., portr., bibl.).
Winkler, Hu., Tropenpflanzer 10: 167-172. 1906 ("Ist der Botanische Garten in Victoria überflüssig?"), 12: 357-372, 558-568. 1908 (report visit Java experiment stations).
Verdoorn, F., ed., Chron. bot. 4: 478. 1938.

COMPOSITE WORKS: (1) Co-editor, with E. Hannig, of *Die Pflanzenareale* 1926-1945, author of *Musaceae*, 1: 19-20, *maps 11-12*. 1927. See TL-2/17.993.
(2) *Betulaceae*, *in* A. Engler, ed., *Pflanzenreich* 4 [61] (Heft 19): [i], 1-149 [150], *pl. 1-2*. 17 Jun 1904. – See also his *Der gegenwärtige Stand der Betula-Systematik*, Mitt. deut. dendrol. Ges. 43: 36-40. 1930; see TL-2/1713.
(3) *Plantae novae bolivianae* 2 (with F. Pax & A. Lingelsheim), Repert. spec. nov. 7: 107-114. 20 Mai 1909, 3 (id.) 7: 241-251. 20 Sep 1909, 4 (with A. Cogniaux, A. Lingelsheim & F. Pax) 8: 1-6. 15 Jan 1910.
(4) *Urticaceae*, *in* Nova Guinea 14(1): 119-134, *pl. 15A*, *B* printed Jan 1924.
(5) With F. Pax, *Vegetationsbilder aus den Südkarpathen*, *in* G. Karsten and H. Schenck, *Veg.-Bild.* 15(8). 1924.
(6) *Musaceae*, *in* Engler and Prantl, *Nat. Pflanzenfam.* ed. 2. 15a: 505-541. 1930. See TL-2/1711.
(7) *Cannaceae*, *in* id. 15a: 640-654. 1930. TL-2/1711.
(8) *Linaceae*, *in* id. 19a: 82-130. Jan-Aug 1931. TL-2/1711.
(9) With M. Heumann *Charakterpflanzen aus Südwestafrika*, *in* G. Karsten and H. Schenck, *Veg.-Bild.* 21(8). 1931.
(10) *Leptodermis*, *in* H. Handel-Mazzetti, *Symb. sin.* 7: 1023-1026. 1 Feb 1936, TL-2/2364.
(11) Edited *Beiträge zur Biologie der Pflanzen* 15-27, 1927-1941.
(12) With H. Schröter, *Monographie der Gattung Elatostema* s.l., Rep. Sp. nov. Beih. 83. 1935. See TL-2/17.996.
(13) *Geographie* [Pteridophytes], *in* F. Verdoorn, ed., *Man. Pterid.* 451-473. 1938. TL-2/16.041.
(14) *Ölpalme*, *in* C. Fruwirth, *Handb. landwirtsch. Pflanzenz.* ed. 2. 5: 91-15. 1923.

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*C.G. Baenitz*, ib. 91(1) (Nekrol.): 4-5. 1914.
*Viktor Engler*, Ber. deut. bot. Ges. 36: (137)-(138). 1918.
*C.G.D. Nees von Esenbeck*, Naturw. Wochenschr. ser. 2. 20: 337-346. 1921; Schles. Lebensbild. 2: 203-208. 1926.
*F. Rosen*, Ber. deut. bot. Ges. 43: (65)-(73). 1926.
*Carl von Linné*, Aus der Natur 3: 135-142. 1907.
*Ein ungedruckter Linné-Brief*, Mitt. Gesch. Math. Naturw. 7: 24-27. 1908.
*Georg Schweinfurth*, Ostdeutsch. Naturwart 1925: 486-488.
*Carl Lauterbach*, Ber. deut. bot. Ges. 55: 231-247. 1938.

**17.978.** Aus dem Königl. Botanischen Garten zu Breslau. *Pflanzengeographische Studien über die Formation des Buchenwaldes.* Inaugural-Dissertation, welche nebst den beigefügten Thesen mit Genehmigung der Hohen philosophischen Facultät der Universität Breslau zur Erlangung der philosophischen Doktorwürde Freitag, den 11. Jan. 1901, mittags 12 Uhr in der Aula Leopoldina öffentlich verteidigen wird Hubert Winkler aus Prenzlau ... Breslau (Druck von F.W. Jungfer, ...) 1901. Oct. (*Pfl.-geogr. Stud. Buchenwald.*).
*Publ.*: 11 Jan 1901, p. [i], [1]-60, [62-63, vita and theses]. *Copies*: B, G, NY.
*Ref.*: Höck (Luckenwalde), Bot. Centralbl. 86: 125-126. 17 Apr 1901 (rev.).

**17.979.** *Caryophyllaceas* in Asia centrali a cl. Ove Paulsen lectas determinavit ... Særtryk af Videns. medd. fra den naturh. Foren. i Kbvn. 1901. Oct.
*Collector*: Ove Vilhelm Paulsen (1874-1947), see I.H. Vegter, Ind. herb., Coll. index 2(5): 654-655.
*Publ.*: 1901, p. [47]-54. *Copy*: B. – Reprinted and to be cited from Vid. Medd. naturh. Foren. København 1901: 47-54.

**17.980.** *Zur Morphologie und Biologie der Blüte von Durio zibethinus* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1905. Oct.
*Publ.*: 25 Mai 1905, cover, p. [191]-196, *pl. 5*. *Copy*: B. – Reprinted from Ber. deut. bot. Ges. 23(4): 191-196. *pl. 4*. 1905. – Paper written at "Victoria (Kamerun), Februar 1905". [Would a paper written in such a location in February 1987 have been published in a Western European journal by 25 Mai 1987?]. On the German botanical garden at Victoria, Cameroon, see Hu. Winkler, Der Tropenpflanzer 10: 167-172. 1906 ("Ist der Botanische Garten in Victoria überflüssig?").

**17.981.** *Bemerkungen über die vegetativen Verhältnisse einiger Bignoniaceen* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1905. Oct.
*Publ.*: 28 Dec 1905, cover, p. [427]-432. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 23(9): 427-432. 1905. – Paper signed "Victoria (Kamerun), Juli 1905".

**17.982.** *Beiträge zur Morphologie und Biologie tropischer Blüten und Früchte.* Habilitationsschrift, welche nebst den beigefügten Thesen mit Genehmigung der hohen philosophischen Facultät der Königl. Universität Breslau zur Erlangung der Venia legendi Freitag, den 2. November 12 Uhr in der Aula Leopoldina öffentlich verteidigen wird Dr. Hubert Winkler ... Leipzig (Wilhelm Engelmann) 1906. Oct. (*Beitr. Morph. Biol. trop. Blüt. Fr.*).
*Publ.*: 2 Nov 1906, p. [1]-43, [44, theses; 45, vita]. *Copies*: B, G. – Preprinted from Bot. Jahrb. 38(3): [233]-271. 21 Dec 1906.

**17.983.** *Reiseberichte aus den Malaiischen Staaten und Niederländisch-Indien* ... Sonderabdruck aus dem "Tropenpflanzer" ... 1908. Oct.
*Publ.*: 1908, p. [1]-16. *Copy*: B. – Reprinted and to be cited from Tropenpflanzer 12(8): 357-372. 1908, continued ib. 12: 558-568. 1908.

**17.984.** *Zur Kritik der Ansichten von der Erstehung der Angiospermenblüte* ... Sonderabdruck aus dem Jahresbericht der Schles. Gesellschaft für vaterl. Cultur 1909 [1910]. Oct.
*Publ.*: 1910 (read 4 Nov 1909; S.B. publ. 1910, but possibly preprint?), p. [1]-8. *Copy*: B.

– Preprinted or reprinted from Jahresber. Schles. Ges. vaterl. Cult., S.B. Naturw., Bot.-zool. 87: 22-28. 1910.

**17.985.** *Die Pflanzendecke Südost-Borneos.* Beiträge zur Kenntniss der Flora und Pflanzengeographie von Borneo I-IV. [Leipzig (Wilhelm Engelmann) 1901-1914]. Oct.
*1*: 1 Nov 1910, Bot. Jahrb. 44: 497-571. *1 pl.* 1910.
*2*: 27 Feb 1912, Bot. Jahrb. 48: 87-118. 1912.
*3*: 14 Jan 1913 (p. 349-352), 28 Mar 1913 (p. 353-380), Bot. Jahrb. 49: 349-380. 1913.
*4*: 25 Mar 1914, cover-t.p., p. [i, recto of 188, h.t.] [188]-208, *pl. 3-4. Copies*: B, G, NY, Peterson. – Bot. Jahrb. 50 (suppl.): 188-208, *pl. 3-4.* 1914 (Engler Fest Band).
*Ref.*: Irmscher, E., Bot. Centralbl. 128: 474-476. 1915 (rev.).

**17.986.** *Eine akademische Studienfahrt nach Ostafrika* ... Breslau (Ferdinand Hirt ...) 1912. Oct. (*Akad. Stud.-Fahrt Ostafrika*).
*Publ.*: Co-author: Carl Zimmer (chapters 4-5, zool.).
*Publ.*: 17 Jan 1912 (notice of publication and presentation on p. 2 of cover), p. [1]-120. *Copies*: B, M.

**17.987.** *Botanisches Hilfsbuch* für Pflanzer, Kolonialbeamte, Tropenkaufleute und Forschungsreisende ... Wismar (Hintorffsche Verlagsbuchhandlung) 1912. Oct. (*Bot. Hilfsb.*).
*Publ.*: Jul-Aug 1912 (p. v: Pfingsten 1912; ÖbZ for Aug-Sep 1912; Nat. Nov. Oct(1) 1912), p. [i]-vii, [1]-322. *Copy*: USDA.
*Ref.*: Engler, A., Bot. Jahrb. 48 (Lit.): 62. 14 Jun 1913 (rev.).

**17.988.** *Neue Revision der Gattung Carpinus* ... Leipzig und Berlin (Verlag von Wilhelm Engelmann) 1914. Oct.
*Publ.*: 25 Mar 1914 (date of presentation of Fest-Band to A. Engler), cover-t.p., p. [i, recto of 488, h.t.], [488]-508. *Copies*: B, U. – Reprinted and to be cited from Bot. Jahrb. 50a (suppl.): 488-508. 1914.

**17.989.** *Die Urticaceen Papuasiens* .... Leipzig (Verlag von Wilhelm Engelmann) 1922. Oct.
*Publ.*: 23 Mai and 15 Sep 1922 (in journal), cover-t.p., p. [501]-608. *Copies*: B, U. – Reprinted and to be cited from Bot. Jahrb. 57(4): 501-528. 23 Mai 1922, 529-608. 15 Sep 1922.
*Preliminary publ.*: *Urticaceae papuanae novae*:
I: Rep. Sp. nov., Fedde 15: 418-419. 31 Mar 1919.
II: Rep. 16: 175-176. 15 Nov 1919.
III: Rep. 18: 238. 1 Mai 1921.

**17.990.** *Monographische Übersicht der Gattung Leptodermis* ... Sonderabdruck aus Fedde, Repertorium ... 1922. Oct.
*Publ.*: 15 Sep 1922, p. [145]-166. *Copy*: B. – Reprinted and to be cited from Repert. Sp. nov., Fedde 18: 145-166. 1922.

**17.991.** *Bausteine zu einer Monographie von Ficaria* ... Sonderabdruck aus Cohn's Beiträgen zur Biologie der Pflanzen ... [1925]. Oct.
[*1*]: 1925 (p. 230: 15 Nov 1924), p. [219]-230. *Copy*: B. – Reprinted and to be cited from Beitr. Biol. Pfl. 14(2): 219-230. 1925.
*2-4*: 1926, cover, p. [335]-358, *pl. 7. Copy*: B. – Id. 14(3): 335-358, *pl. 7.* 1926.
*5*: 1927, ib. 15(1): 126-128. 1927.

**17.992.** *Reis* ... Hamburg (Deutscher Auslandverlag ...) 1926. Oct. (*Reis*).
*Publ.*: 1926 (p. iii: 1 Jul 1925; ÖbZ for Feb-Mai 1926; Bot. Jahrb. 1 Aug 1926), p. [i]-vi, [1]-138. *Copies*: B, Univ. Chicago, USDA.

**17.993.** *Die Pflanzenareale* Sammlung kartographischer Darstellungen von Verbreitungsbezirken der lebenden und fossilen Pflanzen-Familien, -Gattungen und -Arten ... Erste Reihe. Jena (Verlag von Gustav Fischer) 1926-1928. (*Pflanzenareale*).

*Editors*: Emil Hannig (1872-1955) and Hubert Winkler. – *Collaborators*: Friedrich Ludwig Emil Diels (1874-1945, TL-2/1: 646-647); Gunnar Samuelsson (1885-1944, TL-2/5: 23-25). – Authors of separate maps mentioned on covers of Hefte.
*Erste Reihe*: 1926-1928, 8 Hefte, preface material [p. i-iv] containing contents:
*1*: 1926, cover, *maps 1-10*, text p. [1-18].
*2*: 1926, cover, p. [i-ii], 19-34, *maps 11-20*.
*3*: 1927, cover, 35-44, *maps 21-30*.
*4*: 1927, cover, p. 45-50, *maps 31-40*.
*5*: 1927, cover, p. 51-62, *maps 41-50*.
*6*: 1927, cover, p. 63-72, *maps 51-60*.
*7*: 1927, cover, p. 73-82, *maps 61-70*.
*8*: 1928, cover, p. 83-96, *maps 71-80*.
*Zweite Reihe*: 1928-1930, 8 Hefte, preface material p. [i-iv].
*1*: 1928, cover, p. 1-12, *maps 1-10*.
*2*: 1928, cover, p. 13-17, *maps 11-20*.
*3*: 1928, cover, p. 19-25, *maps 21-30*.
*4*: 1929, cover, p. 27-34, *maps 31-40*.
*5*: 1929, cover, p. 35-42, *maps 41-50*.
*6*: 1929, cover, p. 43-47, *maps 51-61*.
*7*: 1930, cover, p. 49-75, *maps 62-70*.
*8*: 1930, cover, p. 77-86, *maps 71-80*.
*Sammelheft*: für Nachträge und Verbesserungen: 1930, cover, p. 87-89, 1 map.
*Dritte Reihe*: 1931-1933, 8 Hefte, preface material p. [i-iv].
*1*: 1931, cover, p. 1-9, *maps 1-10*.
*2*: 1931, cover, p. 11-18, *maps 11-20*.
*3*: 1931, cover, p. 19-35, *maps 21-30*.
*4*: 1931, cover, p. 37-43, *maps 31-40*.
*5*: 1932, cover, p. 45-61, *maps 41-50*.
*6*: 1932, cover, p. 63-71, *maps 51-60*.
*7*: 1932, cover, p. 73-81, *maps 61-70*.
*8*: 1933, cover, p. 83-98, *maps 71-80*.
*Copies*: G, USDA.

**17.994.** *Bemerkungen über Mangrove-Pflanzen* und den Amorphophallus Titanum im Hamburger Botanischer Garten ... Berlin 1931. Oct.
*Publ.*: 26 Mar 1931, cover-t.p., p. [87]-102, *pl. 6-9*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 49(2): 87-102, *pl. 6-9*. 1931.

**17.995.** *Die Monokotylen sind monokotyl* ... [Sonderabdruck aus Beiträge zur Biologie der Pflanzen ... 1931]. Oct.
*Publ.*: 1931 (p. 29: 1 Feb 1931), cover, p. [29]-34, *pl. 1*. *Copy*: B. – Reprinted and to be cited from Beitr. Biol. Pfl. 19(1): 29-34, *pl. 1*. 1931.

**17.996.** *Monographie der Gattung Elatostema* s.l. ... Berlin bei Dahlem (Fabeckstrasse 49 ...) 1935-1936. Oct.
*Co-author*: Hilde Schröter.
*Allgemeiner Teil*: 10 Mar 1935, p. [i-iv], [1]-86, *pl. 1-8*. – Issued as Beih. Repert. sp. nov., Fedde, 83(1). 1935.
*Spezieller Teil*: 31 Dec 1936, p. [i-iii], [1]-174, *pl. 9-40*. – Id. 83(2). 1936.
*Copy*: U.

**17.997.** *Habitus und Phylogenie* ... Berlin (Verlag Weidmannsche Buchhandlung) 1936. Oct.
*Publ.*: 1936 (read 1 Oct 1935), cover-t.p., p. [1]-11. *Copy*: FAS. – Reprinted and to be cited from Biol. Pfl. 24(1): 1-11. 1936.

**17.998.** *Septizide Kapsel und Spaltfrucht* ... Berlin (Weidmannsche Buchhandlung ...) 1936. Oct.
*Publ.*: 1936 (p. 191: 11 Sep 1936), cover-t.p., p. [191]-200. *Copies*: B, FAS. – Reprinted and to be cited from Beitr. Biol. Pfl. 24(2): 191-200. 1936.

**17.999.** *Versuch eines "natürlichen" Systems der Früchte* ... Sonderabdruck aus "Beiträge zur Biologie der Pflanzen" ... 1939. Oct.
*Publ.*: early Nov 1939 (fide Beitr. 27(1): 92), p. [201]-220. *Copies*: B, FAS. – Reprinted and to be cited from Beitr. Biol. Pfl. 26(2): 201-220. 1939.
*Continuation*: 1940, cover, p. [92]-130. *Copy*: B. – Id. 27(1): 92-130. 1940. – *Zur Einigung und Weiterführung in der Frage des Fruchtsystems.*

**18.000.** *Ziel und Methode der biologischen Systematik.* Zugleich ein Versuch zur Synthese der experimentellen und historischen Wissenschaften ... Sonderabdruck aus ... Fedde, Rep., Beih. 1939. Oct.
*Publ.*: 1939, p. [1]-25. *Copies*: B, FAS, M. – Reprinted and to be cited from Repert. Sp. nov., Fedde, Beih. 106: 1-25. 1939.

**18.001.** *Altbekannte Fruchtformen in neuer Deutung* ... Breslau (Verlag Ferdinand Hirt) 1941. Oct.
*Publ.*: 1941 (p. [13]: 27 Feb 1941), cover-t.p., p. [13]-40. *Copy*: B. – Reprinted and to be cited from Jahresber. Schles. Ges. vaterl. Cultur 113: 13-40. 1940 (1941).

**18.002.** *Neue Deutung altbekannter Fruchtformen* ... Sonderabdruck aus der Berichten der Deutschen Botanischen Gesellschaft ... 1941. Oct.
*Publ.*: 24 Apr 1941, cover, p. [104]-109. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot Ges. 59(3): 104-109. 1941.

**Winkler, Moritz** (1812-1889), German (Silesian) land steward and factory manager at Giessmanndorf nr Neisse in Silesia; active amateur floristic botanist; brother of [K.G.] A. Winkler; travelled and collected in Central and Southern Europe; assembled a large and rich European herbarium. (*M. Winkl.*).

HERBARIUM and TYPES: WRSL. – Further material in B (extant, large set), BR, C, E, G, GB, GH, JE, M, MW, OXF, STU, WB (destr.), WRSL. – *Letters* at G, UPS-UB. – *Library* at WRSL.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(1): 139; Barnhart 3: 507 (b. 13 Feb 1812, d. 21 Dec 1889); Bossert p. 439; Clokie p. 266; CSP 6: 397, 8: 1252, 11: 825, 12: 787, 19: 663 (bibl.); Futak-Domin p. 660; Klásterský p. 205; Maiwald p. 123, 124, 172-173, 187; Rehder 1: 421; Urban-Berl. p. 411.

BIOFILE: Anon., Bot. Centralbl. 25: 193. 1886 (herb. to WRSL); Bot. Not. 1890: 46 (d.); Österr. bot. Z. 36: 106. 1886 (herb. to WRSL), 40: 36. 1890 (d.); Ann. Bot. 2: 494. 1890 (list publ.).
Lack, H.W., Willdenowia 10: 72, 81. 1980 (coll.).
Lack, H.W. & C.O. von Sydow, Willdenowia 14: 445. 1984 (letters).
Lack, H.W. & D. Wagner, Willdenowia 14: 432. 1984 (coll.).
Magnus, P., Österr. bot. Z. 40: 57-58. 1890 (obit.); Verh. bot. Ver. Brandenburg 31: lx-lxii. 1890 (obit.).
Müllerott, M., Hoppea 39: 62. 1980 (letters to Th. Irmisch).
Neilreich, A., Verh. zool.-bot. Ver. Wien 5: 66. 1855.
Podpěra, J., Pr. mov.-slez. Akad. Věd. přír. 19(7): 8. 1948.

**Winkler, Wilhelm** (1842-1927), German (Silesian) teacher and botanist; teacher at Schreiberhau (Siles.) 1861-1903; in retirement at Görlitz; student of the flora of Sudetenland, of folklore and history of Silesia, and reformer of the local schoolsystem. (*W. Winkl.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Futak-Domin p. 660; Rehder 1: 390; Tucker 1: 750 (err. Wilibald W.).

BIOFILE: Kiesel, Der Wanderer im Riesengebirge 47: 173-174. 1927 (obit., b. 2 Sep 1842 nr Penzig, d. 27 Oct 1927 at Görlitz).
Pax, F., Bibl. schles. Bot. 91, 105, 131, 151. 1929.

**18.003.** *Flora des Riesen- und Isergebirges.* Mit Berücksichtigung der Vorgebirgsflora. Nach natürlichen Familien. Nebst Schlüssel nach dem natürlichen und Linné'ischen System ... Warmbrunn (Verlag und Druck von E. Gruhn) 1881. Oct. (*Fl. Riesen- Isergeb.*).
*Publ.*: 1881, p. [i]-viii, [1]-30, [31-32], [1]-234, (225-234 index). *Copies*: M, NSUB.
*Nachtrag bis 1883*: Jun 1883 (Nat. Nov. Jul(1) 1883; Bot. Zeit. 31 Aug 1883; Bot. Zentralbl. 30 Jul-3 Aug 1883), Hirschberg (Kuh) 1883, p. [1]-11. Zweiter Nachtrag zur Flora ... *Copy*: NSUB, inserted in 1881 original between p. 224 and [225].
*Ref.*: Freyn, J.F., Bot. Centralbl. 16: 262-263. 19-23 Nov 1883 (rev. of Flora incl. Nachtrag).

**18.004.** *Sudetenflora.* Eine Auswahl charakteristischer Gebirgspflanzen. Nach natürlichen Familien unter Berücksichtigung des Linnéschen Systems bearbeitet ... Dresden N. (Verlag und Druck von C. Heinrich) 1900. Oct. (*Sudetenflora*).
*Publ.*: Apr 1900 (poem on p. [1] dated Frühlings-Anfang [i.e. Mar] 1900; advertisement Hedwigia 10 Apr 1900: "soeben erschien ..."; Allg. bot. Z. 15 Jul 1900; Bot. Centralbl. 20 Jun 1900; ÖbZ for Mai-Jun 1900; Bot. Zeit. 1 Jul 1900; Nat. Nov. Mai(2) 1900), p. [i-iv], [1], [3]-190, *pl. 1-52* (col.). *Copies*: BR, G, HH, M, NY. – On p. [iii-iv and 1], sic, a poem by Baer.

**Winslow, Andreas Peter** [Pettersson] (1835-1900), Swedish botanist and teacher; studied at Lund Univ. 1855-1862; Dr. phil. 1862; high school teacher at Göteborg 1865-1900; especially interested in Rosa. (*Winslow*).

HERBARIUM and TYPES: GB. Further material at AK, C, E, F, K, MANCH.
*Exsiccatae*: (1) *Folkskoleherbarium*, 100 [i.e. 102] i ekonomiskt hänseende vigtiga svenska växter. Göteborg 1870, for text see KR p. 768, nos. 1(a), 1(b).
(2) *Herbarium rosarum Scandinaviae* fasc. 1, nos. 1-40 (all publ.). Göteborg 1880. Sets at G, GB, H, MANCH. Published notes: *Rosae Scandinaviae*, Bot. Not. 1880: 186-191. For list of species see Bot. Centralbl. 3-4: 1439. 1880.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 507; Jackson p. 336; KR p. 768 (bibl., b. 4 Jun 1835, d. 28 Jan 1900); Morren ed. 10, p. 104; Tucker 1: 750.

BIOFILE: Anon., Alg. bot. Z. 6: 124. 1900 (d.); Generalregister Bot. Not. 1839-1938. 81. 1939; J. Bot. 10: 288. 1872 (1200-1300 herb. specim. Scandin. for sale).
Högrell, B., Bot. hist. 1: 277. 1886.
Wittrock, V.B., Acta Horti Berg. 3(2): 76. 1903, 3(3): 59. 1905.

**Winslow, Charles Frederick** (1811-1877), American geologist, seismologist and physician; M.D. Harvard 1834; V.S. consul in Payta, Peru from 1862; visited the Hawaiian Islands, later in California and Utah. (*C. Winslow*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 507; BM 5: 2339; Ewan ed. 1: 338, ed. 2: 241; ME 1: 241, 3: 680, 742; Rehder 2: 50.

BIOFILE: Anon., Amer. J. Sci. 104: 168. 1877 (d.); Ann. Rec. Sci. Industry 1877: 421. 1878 (d.).
Seemann, B., Bonplandia 3: 27. 1855 (on Winslow's use of Washingtonia for Sequoia sempervirens).

NOTE: Wrote: The "Big tree", Calif. Farmer 2: 58. 24 Aug 1854, quoted, not entirely accurately, by W.J. Hooker, J. Bot. Kew Misc. 7: 26-29. 1855 in the Wellingtonia-Washingtonia-Sequoia controversy. See RS p. 149, Seemann (1855).

**Winslow, Evelyn James** (1870-1949), American teacher and pteridologist; around 1919 assistant principal at Lasell Seminary, Auburndale, Mass.; founder and managing editor, American Fern Journal 1910-1935. (*E. Winslow*).

HERBARIUM and TYPES: GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 507 (b. 27 Aug 1870); Lenley p. 439.

BIOFILE: Anon., Index to Amer. bot. lit. 1886-1966. 4: 559. 1969 (bibl.).
Benedict, R.C., Amer. Fern J. 39: 65-70. 1949 (obit., portr.).
Cassino, S.E., Naturalist's directory 168. 1919.

**Winter, Ferdinand** (1835-1888), German (Prussian) pharmacist at Saarbrücken, later at Gerolstein (Eifel). (*F. Wint.*).

HERBARIUM and TYPES: Mosses in B (mainly destr.); further material in BHU, M, MW, OXF.
*Exsiccatae*, with F.W. Schultz, *Herbarium normale* ser. 2, see under F.W. Schultz for sets in public herbaria.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 510; Backer p. 628; Barnhart 3: 508 (d. 3 Aug 1888); Clokie p. 266; CSP 8: 1253, 11: 828, 12: 787; PR 10338; Rehder 5: 926; TL-2/11.296, 11.304, see F.W. Schultz; Tucker 1: 750; Urban-Berl. 262, 317, 411.

BIOFILE: Wagenitz, G., Index coll. princ. herb. Gott. 181. 1982 (material in herb. norm.).
Wirtgen, F., S.B. nat. Ver. Preuss. Rheinl. 1907 (1): E 49. 1908 (mosses and lichens id. 1862).

**18.005.** *Die Laubmoosflora des Saargebietes* mit einleitenden topographischen und geognostischen Bemerkungen ... Pollichia 1868. Oct.
*Publ.*: 1868, p. [1]-52. *Copies*: H, NY. – Tearsheets, to be cited from Pollichia 25-27: [1]-52. 1868.

**18.006.** *Die Flora des Saargebietes* mit einleitenden topographischen und geognostischen Bemerkungen ... Separat-Abdruck aus den Verhandl. des nat. Vereins der preuss. Rheinlande u. Westph. [Bonn, 1875]. Oct.
*Publ.*: 1875 (Flora rd. 21 Jan-11 Feb 1876; Hedwigia Jan 1876), p. [1]-71. *Copy*: HH. – Reprinted and to be cited from Verh. nat. Ver. preuss. Rheinl. 32: 273-343. 1875.
*Ref.*: Geheeb, A., Rev. bryol. 3(3): 46-47. 1876.

**18.007.** *Beiträge zur Flora des Saargebietes* ... [Verh. nat. Ver. preuss. Rheinl. 1877]. Oct.
*Publ.*: 1877, p. [197]-202. *Copies*: BR, G. - Tearsheet copies, to be cited from Verh. nat. Ver. preuss. Rheinl. 34: [197]-202. 1877.

**Winter, [Heinrich] Georg** (1848-1887), German (Sachsen) mycologist, son of the publisher Adolph Winter; trained to succeed his father as publisher in Leipzig and Giessen; studied natural sciences at the University of Leipzig 1870-1872; id. München 1872-1873 and Halle 1873; Dr. phil. Leipzig 1873; lecturer for botany at the Zürich Polytechnic 1876-1883, habil. ib. 1878; editor of Hedwigia 1879-1887; from 1883 in Leipzig in charge of the publication of the fungi for the second edition of Rabenhorst's Kryptogamenflora. (*G. Wint.*).

HERBARIUM and TYPES: B (partly extant). – Material in most herbaria in series of exsiccatae, see below. – Important sets of material in GOET, GFW, HAL, K, MSTR, PC, WRSL.
*Exsiccatae*: (1) With Johannes Kunze (x-1881, TL-2/2: 705) *Fungi selecti exsiccati* 1876-1880, nos. 1-400, 501-600. Sets at B (mainly destr.), BERN, BPI, K (BM), C, DBN, FH, H, HBG, M, PRE, S, UPS. – For details see D. Pfister, Fung. exsicc. (in press). Nos.

301-400 and 501-600 are identical with Fungi helvetici 1-100 and 101-200. Nos. 401-500 never published. – See also IH 2: 396.
(2) *Fungi helvetici exsiccati*, cent. 1-2, nos. 1-200 and suppl. 1-100 (1880) (nos. 1-200 also as *Fungi selecti exsiccati*, see above). Sets at B, FH; for sets of cent. 1-2 only see also above.
(3) *Fungi europaei et extraeuropaei exsiccati*, cent. 27-36, 1881-1886, see D.H. Pfister, Mycotaxon 23: 65-67. 1985 (no. v).
(4) Published fasc. 28-29 of G.L. Rabenhorst, *Bryotheca europaea*, see TL-2/4: 465.
(5) Published decades 258-260 of G.L. Rabenhorst, *Die Algen Europa's*. See TL-2/4: 465.
(6) *Schweizerische Kryptogamen* ed. B. Wartmann & G. Winter, nos. 1-750, fasc. 1-15, 1862-1882.
*Letters* at FH, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 43: 468-470; Barnhart 3: 568 (b. 1 Oct 1848, d. 16 Aug 1887); Biol.-Dokum. 19: 10096-10097; BL 1: 64; BM 5: 2339; Bossert p. 439; CSP 8: 1253-1254, 11: 828-829, 12: 787, 19: 666 (bibl.); De Toni 1: cxxxii; DTS 1: 330; Frank 3 (Anh.): 114; GR p. 55, cat. p. 73; Hawksworth p. 186; Herder p. 246, 247; Jackson p. 297; Kelly p. 242-243; LS 29082-29151a, 40650; Morren ed. 10, p. 22; MW p. 533; PH 61; Rehder 3: 194; SBC p. 135; Stevenson p. 1263; TL-2/6760, 8821, see C.G. Oertel, L. Rabenhorst; Urban-Berl. p. 262, 284.

BIOFILE: Anon., Ann. Bot. 1: 413-414. 1887; Bot. Centralbl. 7: 60. 1881 (continues Rabenhorst's exs., will be in Leipzig Aug 1881-Apr 1882), 31: 296. 1887 (d.), 35: 285. 1888 (herb. B); Bot. Zeit. 36: 96. 1878 (habil. Zürich), 38: 559. 1880 (Schweiz. Kryptog.), 39: 118. 1881 (id.), 41: 190. 1883 (adv. material Rabenhorst), 43: 191. 1885 (moved to Connewitz bei Leipzig), 45: 663. 1887 (d.), 46: 481. 1888 (herb. B); Bot. Gaz. 13: 279. 1888 (herb. purchased by B); Bull. Soc. bot. France 34 (bibl.): 143. 1887 (d.); Bull. Torrey bot. Club 14: 224. 1887 (d.); Flora 61: 48. 1878 (lecturer at Zürich from 1876; 1878 habil.), 62: 32. 1879 (editor Hedwigia), 70: 433. 1887 (d.); Hedwigia 26: 184. 1887 (d. 16 Aug 1887); J. Mycol. 3: 105. 1887 (obit. not.); Nat. Nov. 9: 232. 1887 (d.); Österr. bot. Z. 29: 101. 1879 (editor Hedwigia), 37: 370. 1887 (d.), 38: 363. 1880 (coll. B).
Henriques, J.A., Bol. Soc. Broter. 5: 181-182. 1887 (obit.).
Kohlmeyer, J., [in E. Potztal], Willdenowia 2: 784. 1961 (herb. B extant), 3(1): 68, 69. 1962.
Lack, H.W., & C.-O. von Sydow, Willdenowia 14: 446. 1984 (letters UPS-UB).
Magnus, P., Ber. deut. bot. Ges. 5: l-liv. 1887.
Pazschke, O., Hedwigia 26: 185-191. 1887 (obit., portr., list main publ.).
Pieschel, E., S.B. Abh. Naturw. Ges. Isis, Dresden 1927-1928: 60, 61. 1929 (coll. at B).
Roumeguère, C., Rev. mycol. 9: 185-189. 1887 (obit.).
Schröter, C., Verh. Schweiz. naturf. Ges. 99: 17, 21. 1918 (lecturer Zürich 1876-1883).
Urban, I., Bot. Jahrb. 14 (Beibl. 32): 32. 1891 (coll. Winter 11.500 species in 47.000 specimens).

COMPOSITE WORKS: (1) Editor, *Hedwigia* vols. 18-26, 1879-1887.
(2) *Rabenh. Krypt.-Fl. ed. 2*, author of vols. 1(1), 1(2), see TL-2/8450; IDC 5399 (1-36).
(3) Collaborator, [J.] A. Schenk, Handb. Bot. 1879-1890, TL-2/10.561.
(4) Contributed to G.B. Neumayer, *Int. Polarforsch.*, *Deut. Exped.* 1890, TL-2/6760 (with B. Stein, in 2: 93-96. 1890, *Pilze von Kingua-Fjord*, *Pilze*).
(5) *Fungi*, *in* J. Henriques, *Flora de S. Thomé* 1886 (Bot. Soc. Brot. Coimbra).

EPONYMY: *Winterella* (P.A. Saccardo) O. Kuntze (1891); *Winterella* Berlese (1893); *Winteria* P.A. Saccardo (1878); *Winteria* (Rehm) P.A. Saccardo (1883); *Winterina* P.A. Saccardo (1891); *Winterina* P.A. Saccardo (1899); *Winteromyces* Spegazzini (1912). *Note*: *Pseudowintera* Dandy (1933), *Wintera* J.A. Murray (1784), *Wintera* J.G.A. Forster (1786) and *Winterana* Linnaeus (1759) all honor John Winter who travelled with Sir Francis Drake on his first voyage to Virginia in 1577.

**18.008.** *Die deutschen Sordarien* ... Halle (Druck und Verlag von H.W. Schmidt) 1873. Qu.
*Publ.*: 1873 (Grevillea Jan 1874; BSbF Dec 1873; Hedwigia Oct 1873), p. [1]-43, *pl. 7-11*.

*Copies*: FH, G, H, NY, USDA. – Reprinted and to be cited from Abh. naturf. Ges. Halle 13(1): 65-107, *pl. 7-11.* 1873 [complete journal vol. 1877].
*Ref.*: Plowright, C.B., Grevillea 2: 120-122. Feb 1874 (rev.).

**18.009.** *Zur Anatomie einiger Krustenflechten* ... Separat-Abdruck aus Flora 1875. Oct.
*Publ.*: 21 Mar 1875 (in journal), p. [1]-9, [10-11], *pl. 3-4. Copies*: FH, G. – Reprinted and to be cited from Flora 58: 129-139. *pl. 3-4.* 1875.

**18.010.** *Ueber die Gattung Sphaeromphale* und Verwandte. Ein Beitrag zur Anatomie der Krustenflechten ... Jahrb. f. wiss. Bot. [1876]. Oct.
*Publ.*: 1876 (Hedwigia Feb 1876), p. [245]-274. *pl. 17-19. Copy*: G. – Reprinted and to be cited from Jahrb. wiss. Bot. 10: 245-274, *pl. 17-19. 1876.*

**18.011.** *Lichenologische Notizen* ... I. Cephalodien von Sticta und Solorina. [II: Flechtenparasiten] ... Separat-Abdruck aus "Flora" 1877. Oct.
*Publ.*: 21 Apr, 1, and 11 Mai 1877 (in journal), p. 1-23, *pl. 4. Copy*: G. – Reprinted and to be cited from Flora 60: 177-184. 21 Apr, 193-203. 1 Mai 1877 and [II. Flechtenparasiten:] 209-214. 11 Mai 1877.

**18.012.** *Die deutschen Sordarien* ... Abhand. d. Naturf. Gesellsch. zu Halle ... [1877]. Qu.
*Publ.*: 1877, p. [65]-107, *pl. 1-6* (graphs), *7-11* (uncol. liths. author), reprint n.v., originally published and to be cited from Abh. naturf. Ges. Halle, 13(1): 65-107. *pl. 7-11.* 1877.

**18.013.** *Ueber ein natürliches System der Thallophyten* ... [Hedwigia 1879].
*Publ.*: Jan 1879 (in journal), p. [1]-12. *Copy*: H. – Reprinted and to be cited from Hedwigia 18: 1-12. 1879.

**18.014.** *Verzeichniss der im Gebiete von Koch's Synopsis beobachteten Uredineen* und ihrer Nährpflanzen .. [Hedwigia 1880]. Oct.
*Publ.*: Mar & Apr 1880 (in journal), p. [1]-20. *Copies*: FH, G, H, NY. – Reprinted and to be cited from Hedwigia 19: 33-45, Mar 53-60. Apr 1880.

**18.015.** *Zwei neue Entomophthoreen-Formen* ... Separat-Abdruck aus Band V No. 2. des "Botanischen Centralblattes 1881".
*Publ.*: 10-14 Jan 1881 (in journal), p. [1]-2. *Copy*: NY. – Reprinted and to be cited from Bot. Centralbl. 1: 62-64. 1881.

**18.016.** *Notizen über einige Discomyceten* ... Separat-Abdruck aus "Hedwigia" 1881. Oct.
*Publ.*: Mai 1881, p. [1]-8. *Copies*: FH, NY. – Reprinted and to be cited from Hedwigia 20: [65]-72. 1881.

**18.017.** *Eine neue Chrysomyxa* ... Separat-Abdruck aus Band V No. 8 des "Botanischen Centralblattes 1881". Oct.
*Publ*: 21-25 Feb 1881, p. [1]-2. *Copy*: NY. – Reprinted and to be cited from Bot. Centralbl. 5: 250-251. 1881.

**18.018.** *Pezizae Sauterianae* ... Separat-Abdruck aus "Hedwigia" 1881. Oct.
*Publ.*: Sep 1881, p. [1]-6. *Copies*: FH, NY. – Reprinted and to be cited from Hedwigia 20: 129-134. 1881.

**18.019.** *Ueber die Gattung Harknessia* Cooke ... Separat-Abdruck aus "Hedwigia" 1883. Oct.
*Publ.*: Feb 1883, p. [1]-3. *Copies*: FH, NY. – Reprinted and to be cited from Hedwigia 22: 19-21. 1883.

**18.020.** *Ueber einige nordamerikanische Pilze* ... Separat-Abdruck aus "Hedwigia" 1883. Oct.
*Publ.*: Mai 1883, p. [1]-6. *Copies*: FH, NY. – Reprinted and to be cited from Hedwigia 22: 67-72. 1883.

**18.021.** *Contributiones ad floram mycologicam lusitanicam* ... Conimbricae (Typis Academicis) 1884. Oct.
*Ser. 5* [ser. 1-4 by other authors]: 1884 (p. 7: Jan 1884; Bot. Zeit. 27 Jun 1884), cover, p. [1]-30. *Copies*: FH, G. – Reprinted and to be cited from Bol. Soc. Brot. 2: 32-57. 1884.
*Ser. 6*: 1885 (p. 5: 31 Dec 1884), p. [1]-19. *Copy*: FH. – Id. 3: 50-64. 1885.

**18.022.** L. Rabenhorstii *Bryotheca europaea* et extraeuropaea. Die Laubmoose Europa's (und anderer Erdtheile) unter Mitwirkung mehrerer Freunde der Botanik gesammelt und herausgegeben von Dr. G. Winter. Fasc. xxviii et xxix. No. 1351-1450. Dresden (Druck von C. Heinrich) 1884. Oct. (*Bryoth. eur.*).
*Publ.*: 1884, p. [i], [1-3]. *Copy*: G. – List of species issued in exsiccatae series *Bryoth. eur.* fasc. 28-29; previous fasc. edited by L. Rabenhorst, see TL-2/4: 465.

**18.023.** *Exotische Pilze* ... Separatabdruck aus "Flora" 1884. Oct.
*1*: 11 Mai 1884, p. [1]-9. – Reprinted and to be cited from Flora 67: 259-267. 1884.
*2*: Jan 1885, p. [1]-15. – Id. from Hedwigia 24: 21-35. 1885.
*3*: Mar-Jun 1886, p. [1]-12. – Id. 25: 92-104. 1886. "*Fungi exotici* iii".
*4*: Jan-Feb 1887, p. [1]-12. – Id. 26: 6-18. 1887.
*Copies*: FH, G, NY.

**18.024.** *Beiträge zur Pilzflora von Missouri* ... Separat-Abdruck aus "Hedwigia" 1885. Oct.
*Publ.*: Sep-Oct 1885, p. [1]-38. *Copies*: FH, NY, Stevenson. – Reprinted and to be cited from Hedwigia 24: 177-214. 1885.

**18.025.** *Nonnulli fungi paraguayenses* a Balansa lecti ... Extrait de la Revue mycologique ... 1885. Oct.
*Collector*: Benedict [Benjamin] Balansa (1825-1892), see TL-2/1: 107.
*Publ.*: Oct 1885, p. [1]-3. *Copies*: FH, NY. – Reprinted and to be cited from Rev. mycol. 7: 206-208. 1885.

**18.026.** *Fungi australienses* ... Extrait de la Revue mycologique ... 1886. Oct.
*Publ.*: Oct 1886, p. [1]-7. *Copies*: FH, NY. – Reprinted and to be cited from Rev. mycol. 8: 207-213. 1886.

**18.027.** *Fungi in insula S. Thomé lecti* a cl. A. Moller ... Coimbra (Imprensa da Universidade 1886). Oct.
*Publ.*: 1886 (p. 1: Aug 1886), p. [i], [1]-20, *3 pl. Copy*: Stevenson. – Contr. Estudo Fl. Africa, Coimbra 1886, also published in Bol. Soc. Brot. 4: 157-204, *3 pl.* 1886.

**Winter, John Mack** (1899-1964), American botanist; Dr. phil. Univ. Nebraska 1932; assistant in botany Univ. Nebraska 1926-1928; instructor in botany Northwestern Univ. 1928-1930, professor of biology Univ. Nebraska 1930-1932; id. Peru State Teachers College 1932-1946; at South Dakota University, Brookings 1946-1948, id. at Vermillion S.D. 1948-1963. (*J.M. Wint.*).

HERBARIUM and TYPES: SDU (1200-1500, South Dakota; 700-1000 Turkish plants coll. 1961-1963. – *Letters* at NY (Barnhart).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 508 (b. 19 Feb 1899); BL 1: 196, 325.

BIOFILE: Frodin, D.G., Guide standard floras world nos. 177, 178. 1984.
Van Bruggen, Th., Letter to P.K. Holmgren 26 Jul 1985 (in TL-2 files; d. 12 Jan 1964).

**18.028.** *An analysis of the flowering plants of Nebraska* with keys to the families, genera, and species, and with notes concerning their occurrence, range, and frequency within the state ... Printed by authority of the State of Nebraska ... 1936. Oct. (*Anal. fl. pl. Nebraska*).
*Publ.*: 13 Apr 1936, p. [i]-iii, [1]-203. *Copies*: HH, MICH, US, USDA. – Bull. 13 Conserv. Dept., Univ. Nebraska; Contr. Bot. Surv. Nebraska no. 10.

**Winterbottom, James Edward** (1803-1854), British botanist; studied at St. John's College, Oxford ca. 1821-1828; travelled on the Continent, in England, Scotland and Ireland 1834-1845; left England 1846 for an Indian tour, Java, Singapore, China, India and Tibet, part of the time accompanying Richard Strachey on the Tibetan Boundary Commission; in Great Britain 1849-1854; died on a trip in the Near East. (*Winterbottom*).

HERBARIUM and TYPES: BM, CAL, K (main set). – Further material in BR, DBN, E, GH, LE, NMW (British mat.), P, W.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 508; BB p. 331; Bret. p. 802; Desmond p. 670 (b. 7 Apr 1803, d. 4 Jul 1854); Ewan ed. 1: 316; SK 1: 581;, 5: cccxxxiii, 8: cviii; TL-2/13.219, see R. Strachey.

BIOFILE: Anon., Bonplandia 2: 265. 1854 (obit. not.); Bot. Zeit. 13: 144. 1855 (d.); Bull. misc. Inf. Kew 1900: 19-20 (dispersal of herb.; brief sketch of activities); Proc. Linn. Soc. 1: 418-419. 1855 (obit.).
Burkill, I.H., Chapt. hist. bot. India 82, 83, 84, 89, 191. 1965.
Hemsley, W.B., J. Linn. Soc. 35: 136-140. 1902 (descr. itin. Tibet 1848).
Hooker, J.D. & Th. Thomson, Fl. ind. 1: 65-66. 1855.
Hooker, W.J., J. Bot. Kew Gard. Misc. 6: 307-308, 345-349. 1854.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 277. 1984 (British herb. not traced).
King, G., J. Bot. 37: 462-463. 1899.

COMPOSITE WORKS: Contributed collections to R. Strachey, *Catalogue of plants of Kumaon*, see R. Strachey (1906) and to E.I. Atkinson, *Economic products of N.W. Provinces* 4: 403-670. 1876.

**Winterl, Jacob Joseph** (1739-1809), Austrian botanist, chemist and physician; Dr. med. et phil. Wien 1767; professor of medicine at the University of Tyrnan (W. Slovakia); in charge of the botanic garden of Ofen (Buda/Budapest) from 1771-1809, from 1771 or 1775-1802 ordinary professor of botany at the University of Pesth (Budapest). (*Winterl*).

HERBARIUM and TYPES: W (fide Bonplandia 1862: 312). – Further material at GOET (see Wagenitz 1982). – *Letters* to N.J. Jacquin at UPS-UB, to J. Banks at BM.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 717, 7: 50; Backer p. 628; Barnhart 3: 508 (b. 15 Apr 1739); Bossert p. 439; Dawson p. 878; Futak-Domin p. 660; Herder p. 160; Kanitz p. 38-39 (no. 52); Plesch p. 461; PR 10.339, ed. 1: 11311; Rehder 1: 65; Sotheby 818; TL-2/see H.J.N. von Crantz; Tucker 1: 750, 3: 338; WU 57: 89-91.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 259: 564. 1965; Encykl. slovenska 6: 474. 1982; Gen. cat. impr. Bibl. natl. 225: 181. 1976.
Arnim, M., Mitgl.-Verz. Ges. Wiss. Göttingen 1751-1927. 182. 1928 (b. 15 Apr 1732, err.).
Becherer, A., J. Bot. 66: 201-202. 1928 (on W.'s species "novae"; the Winterl combinations such as Geranium "novum" are not validly published under the International Rules, "novum" not being an epithet used as part of a *name*).
Gager, C.S., Brooklyn Bot. Gard. Rec. 27: 257. 1938 (dir. Hort. bot. Univ. Budapest 1771-1810 [sic, died 1809]).
Kanitz, A., Bonplandia 10: 311-312. 1862 (b. 15 Apr 1739 correct), Linnaea 33: 452-460. 1865.
Kenyeres, A. Magy. életr. lexik. L-Z: 1048. 1969.
Manitz, H., Wiss. Z. Fr. Schiller Univ. Jena, Mat. Nat. 24(4): 500. 1975 (on index; publ. ante 16 Sep 1788).
Pax, F., Grundz. Pfl. Verbr. Karpathen 1: 5-6. 1898.
Poggendorf, J.C., Biogr.-lit. Handw.-Buch 2: 1339. 1863 (b. 15 Apr 1732, d. 23 Nov 1809).
Priszter, S., Bot. Közlem. 56: 207-219. 1969, 60: 53-64. 1973 (b. 15 Apr 1739, correct); Ann. Univ. Sci. Budapest, Rol. Eötvös, Biol. 12: 191-208. 1970, 15: 93-101. 1973; *in*

J.J. Winterl, Index Horti botanici Hungaricae quae Pestini est. 1788, facs. repr. 1972, postscript, 26 p. *4 pl.* 1972.
Szinnyei, J., Magyar Írók 14: 1584-1586. 1914 (b. 15 Apr 1739).
Wagenitz, G., Index coll. princ. herb. Gott. 181-182. 1982 (at GOET material sent by Winterl, possibly as seeds, cultivated by Ehrhart).

EPONYMY: *Winterlia* Moench (1794); *Note*: *Winterlia* K.P.J. Sprengel (1824) probably honors this author but no derivation was given.

POSTAGE STAMPS: Hungary 40 fi. (1971), yv. 2177.

**18.029.** *Index horti botanici Universitatis Hungaricae* quae Pestini est. 1788. Oct. †. (*Index hort. bot. Univ. Hung.*).
*Publ.*: ante 16 Sep 1788 (Med. J. [Baldinger]: 16 Sep 1788), p. [i-viii], sign. A-G [p. 1-160], *25 pl.* (nos. 1-4, 6-21, 23, 27, 47, 48 [49]). *Copies*: BR (*1 pl.*), HH (*2 pl.*), JE, M (*8 pl.*), MO, NY (*10 pl.*), W. – The BR copy has an additional note by A. Mágocsy-Dietz, dated 1901, explaining that the book remained unfinished.
*Facsimile ed.*: 1972, Akadémiai kiadó, published by Sz. Priszter, p. [i-viii], 1-161 (new page numbers), postscript (by Priszter), p. [1]-26, colo., *pl. 1-4* ("The first floristic work from Central Hungary"), detailed comments and new index. *Copies*: G, NY.
*Note*: For explanatory texts see the publication by Priszter, Becherer (on the use of "nova" etc.) and Manitz (date), listed above.

**Winterschmidt, Johann Samuel** (1760-1824 [1824-1829?]), German (Bavarian) botanical artist at Nürnberg. (*Winterschmidt*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Jackson p. 301; NI see indexes; PR 10340, ed. 1: 11312; Rehder 5: 927; TL-2/10.835.

**18.030.** *Nürnbergische Flora* oder natürliche Abbildung und Beschreibung der in Nürnbergs Umgebung ohne Kultur wachsenden Pflanzen ... Nürnberg (Bei Johann Bernhard Geyer, ...) 1817-1821. 3 vols. †. Oct. (*Nürnb. Fl.*).
*Publ.*: 1817-1821, in fascicles (of *8 pl.*), vols. 1 and 2 completed, vol. 3 only 1 fasc., in all 108 pl. *Copy* at M has: *Vol. 1*: 2 t.p., 4 p. preface, 2 p. index, *49 pl.* with 102 p. text; *vol. 2*: t.p., 2 p. index, *49 pl.* with 102 p. text; *vol. 3*: handwritten t.p., *8 pl.* with 16 p. text. – Copies vary apparently; plates and text unnumbered.
*Other issues* (fide NI): 1819-1822, 2 vols., *100 pl.*, n.v. "Nürnbergische Flora oder erste Abtheilung der Baierischen Flora".

**Wirsing, Adam Ludwig** (1734-1797), German (Saxonian) botanical artist at Nürnberg. (*Wirsing*).

HERBARIUM and TYPES: Unknown. – A collection of 120 col. copper engravings, without text "Sammlung von verschiedenen nach der Natur illuminierten Pflanzen", Nürnberg, by A.L. Wirsing, is at the Natl. Library, Vienna.

BIBLIOGRAPHY and BIOGRAPHY: BM 2: 747, 5: 2340; Dryander 3: 78; NI 2: 274 (index); PR 9496, 9500, 10343, ed. 1: 11316; Rehder 1: 262; TL-1/1327, 1331; TL-2/15.130, 15.135.

BIOFILE: Anon., Cat. gén. livr. impr, Bibl. natl. 225: 291-293. 1976.
Nissen, C., Philobiblon 6: 347. 1933.

COMPOSITE WORKS: (1) Engraver for M.F. Ledermüller, *Phisicalisch mikroskopische Vorstellung* ... Nürnberg 1765 (see NI 1157; see also no. 1160).
(2) Engraver, J.C. Schaeffer, *Fung. Bavar. Palat. nasc.* 1762-1771, TL-2/10.476.
(3) Engraver and publisher, C.J. Trew, *Hort. nitid.* 1750-1786 (TL-2/15.130) and *Pl. rar.* 1763 (TL-2/15.135).

**18.031.** *Eclogae botanicae* e dictionario regni vegetabilis Buc'hodziano collectae exhibens plantarum antea ineditarum icones ad prototypa accuratissime expressas cura A.L. Wirsing chalcographi norimbergensis cum descriptionibus et adnotationibus necessarius. Manipulus I. Norimbergae [Nürnberg] 1778. Fol. (*Eclog. bot.*).
*Publ.*: 1778, p. [i-iv], *pl. 1-10* (uncol. copp.). *Copy*: NY.

**Wirtgen, Ferdinand Paul** (1848-1924), German (Prussian/Rheinland) pharmacist and botanist; studied pharmacy in Koblenz and St. Johann a.d. Saar (Saarbrücken), state examination Bonn 1873; pharmacist at Eltenheim, Baden 1873-1875, from 1875 again in St. Johann a.d. S., from 1879-1889 as owner of the Frötsch pharmacy; from 1889 in Bonn dedicating himself mainly to botany; son of Philipp Wirtgen. (*F. Wirtg.*).

HERBARIUM and TYPES: Main herbarium donated to Ver. preuss. Rheinl. Westfalen (now BHU), ferns in P (herb. Bonaparte); Musci to Haussknecht (now JE). – Further material in BR, E, GOET, FR and M. – Duplicate Pteridophytes were still offered for sale in Herbarium 73: 300. 1928.
*Exsiccatae*: (1) *Pteridophyta exsiccata*, Lieferung 1-16, 1897-1915 (cont. W. Krieger), sets at B (extant), BHU, M, P, PH, SI.
(2) *Herbarium plantarum criticarum select. hybr. Florae Rhenanae* (edit. nov.), fasc. 1-6, nos. 1-300, ca. 1930-1931, published by H. Andres; collections by F. Wirtgen but also by P.W. Wirtgen. – Sets at FH, NY, PC. – For Heinrich Andres (1883-1970), see TL-2/1: 49. *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 628; Barnhart 3: 508 (b. 7 Jan 1848, d. 26 Jan 1924); BFM 326 (index); BJI 2: 193; Bossert p. 439; DTS 6(4): 208; Morren ed. 10, p. 16; Rehder 1: 390; Tucker 1: 750; Urban-Berl. p. 323.

BIOFILE: Anon., Allg. bot. Z. 4: 16. 1898 (Pteridophyta exsiccata Lief. 1), 5: 34-35 (id. 3-4), 6: 32. 1900 (id. 5), 7: 40. 1901 (id. 6), 8: 72. 1902 (id. 8): 9: 76. 1903 (id. 8-9), 10: 143. 1904 (id. 10), 11: 60. 1905 (id. 11), 12: 88. 1906 (id. 12), 13: 139. 1907 (id. 13): 15: 18. 1909 (id. 14), 15: 48. 1909 (continued by Voigtländer-Tetzner); Allg. bot. Z. 28/29: 56 (112). 1925 (d.); Herbarium 39: 369. 1915 (Pter. exs. Lief. 16, nos. 1-54. 1915); J. Bot. 10: 159. 1872 (herb. of his father for sale).
Bässler, M., Wiss. Z. Humboldt Univ. Berlin, Math.-Nat. R. 19: 297, 298, 299. 1970 (on herb. in BHU).
Koernicke, M., Verh. naturh. Ver. preuss. Rheinl. Westf. 81: 1-11. 1925 (obit., portr.).
Koernicke, M. & H. Andres, Ber. deut. bot. Ges. 42: (131)-(139). 1924 [1925] (obit., portr., bibl.).
Wagenitz, G., Index coll. princ. herb. Gott. 182. 1982 (coll.).

HANDWRITING: Wiss. Z. Humboldt Univ. Berlin, Math.-Nat. R. 19(2-3): 297. 1970.

EPONYMY: *Wirtgenia* H. Andres (1914).

**18.032.** *Anweisung.* Naturhistorischer Verein der Preuss. Rheinlande und Westfalens *Flora von Westdeutschland* ... Krefeld (Druck von Kramer & Baum) 1908. Oct. (*Anweis. Fl. Westdeutschland*).
*Co-author*: P. Roloff.
*Publ.*: 1908, p. [i], [1]-17. *Copy*: B.

**18.033.** *Die botanische Literatur des Rheinischen Schiefergebirges* und der angrenzenden Gebiete 1915-1923. Bonn 1926. Oct.
*Authorship*: F. Wirtgen senior author, edited and completed by Heinrich Andres (b. 1883) and Otto Koenen.
*Publ.*: 1926, cover-t.p., p. [57]-76. *Copy*: B. – Reprinted and to be cited from Ber. Vers. bot. zool. Ver. Rheinl. Westfalen 1925: 57-76. 1926. – A continuation of earlier publications with the same title in S.B. bot.-zool. Ver. Rheinl.-Westfalen 1912: 1-7, 1913: 1-7, 1914: 1-6. (n.v.).

**Wirtgen, Philipp Wilhelm** (1806-1870), German (Prussian/Rheinland) teacher and

botanist; trained as a primary school teacher at Neuwied's teachers college; teacher at Remagen 1824, idem at Winningen 1824-1831; idem at Koblenz 1831-1835 ("evangelische Elementarschule"), 1835-1870 at the "evangelische höhere Stadtschule"; student of the flora of Rheinland; Dr. phil. h.c. Bonn 1853. (*Wirtg.*).

HERBARIUM and TYPES: General herbarium at E; Rheinland herb. and critical plants at MSTR. – Further material in A, AWH, B (extant), BM, BR, C, DBN, E, FR, GE, JE, LAU, LG, LZ (destr.), OXF, REG, W.
*Exsiccatae*: (1) *Herbarium Ruborum rhenanorum*, 200 nos. 1854-1856, ed. 2. 1859, ed. 3. 1870. – Sets at GOET, LG, NCY, P, W.
(2) *Herbarium Mentharum rhenanarum*, 1-68, 1854-1856; Erläuterungen 16 p., 1855. Ed. 2. 1861, nos. 1-75. Ed. 3. 1862-1864, nos. 1-105. – Sets of various eds. at E, GOET, GFW, K, LG, NCY, P.
(3) *Herbarium plantarum selectarum, criticarum, hybridarumque florae rhenanae*, ca. 1200 nos. 1842-x. – Sets at BM, FH, GFW, HAL, HEID, M. A new edition was issued by H. Andres 1928-1933.
(4) *Ökonomisch-technische Pflanzen*, 400 nos.
(5) *Forst und Holzgewächse*, 200 nos.
(6) *Schulherbarium*, 400 nos.
(7) *Giftpflanzen*, 31 nos.
(8) *Herbarium der seltern oder weniger bekannten Pflanzen Deutschlands der Flora des Mittel- und Niederheins* (1847), with Michael Bach (1808-1878).
(9) *Herbarium der deutschen Arzneipflanzen* und ihren wichtigsten Verwechslungen, 330 nos.
(10) *Herbarium der rhein. Verbasken* und ihrer Hybriden, nos. 1-12, ann. Flora 14 Nov 1853, nos. 1-18 by 1856. – Sets at P, W. – *Letters* at G, HAL, U, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: ADB 43: 525-527; AG 1: 290, 12(3): 326; Backer p. 628; Barnhart 3: 508 (b. 4 Dec 1806, d. 7 Sep 1870); BFM 304, 305, 979; Biol.-Dokum. 19: 10104; BM 5: 2340; Bossert p. 440; Clokie p. 260; Frank 3 (Anh.): 114-115; Futak-Domin p. 660; Hegi 6(1): 18, 6(2): 1272; Herder p. 6, 190; Jackson p. 295, 309; LS 29164-29165; PR 10344-10352, ed. 1: 11317; Quenstedt p. 464; Rehder 5: 927; Stevenson p. 1263; TL-2/see H. Andres, M. Bach, J.F. Sehlmeyer; Tucker 1: 750; Urban-Berl. p. 411.

BIOFILE: Anon., Bonplandia 1(3): 25. 1853 (cogn. Leopoldina Ehrhardt), 1(7): 64. 1853 (Dr. phil. h.c. Koblenz), 3: 35. 1855, 6: 55. 1858 and see indexes); Bot. Zeit. 11: 183-184. 1853 (Dr. phil. h.c. Koblenz; biogr. note), 28: 632 (d.), 662-664 (obit.). 1870; Brit. Mus. gen. cat. print. books 259: 636. 1965; Bull. Soc. Natural. Luxembourg 54: 160. 1949 (portr.); Flora 19(1): 48. 1836 (founded with Nees von Esenbeck a botanical society for the Rheinland area, in Koblenz), 36: 80. 1853 (Dr. phil. h.c. Koblenz), 54: 398. 1871 (herb. bought by von Dechen for Naturh. Ver. Bonn [according to Steiner (1957), in 1957 still in Bonn]; Jahres-Ber. Schles. Ges. vaterl. Cult. 48: 295-297. 1871; J. Bot. 8: 368. 1870 (d.).
Dronke, Verh. naturh. Ver. Preuss. Rheinl.-Westfalen 28 (corr.): 8-14. 1871.
Ilg, W., Hoppea 42: 92, 93, 223, 229, 347, 391. 1984.
Lack, H.W., Willdenowia 10: 74, 81. 1980 (Wirtgen material also in Herb. zool.-bot. Ges. Wien, extant at B).
Lack, H.W. & D. Wagner, Willdenowia 14: 432. 1984 (impt. set of plants in herb. Ullepitsch; extant at B).
Lack, H.W. & C.-O. von Sydow, Willdenowia 14: 446. 1984 (letters at UPS-UB).
Lefort, E.S., Bull. Soc. nat. Luxemb. 54: 39, 41, 43, 71, 78, 117. 1950.
Schumacher, A., Die Neue Volksschule 1 (9-10): 341-345. 1950 (biogr. sketch).
Steiner, M., Decheniana 110(2): 279-288. 1957 (biogr., portr.).
Wirtgen, F., Bot. Zeit. 29: 896-897. 1871 (sale of his father's collections).
Wirtgen, P.W., Bonplandia 2: 147, 188. 1854 (species concept), 3: 303-304. 1855 (lists exsiccatae); Bot. Zeit. 5: 872. 1847 (5 Lief., 500 nos. of Herb. seltn. ... Pfl. Deutschl. available), 17: 296. 1859 (Herb. rub., nos. 1-68, publ. 1854-1856; ed. 2 now being publ.), 21: 356. 1863 (ceases publ. Herb. Rubus); Flora 24(1): 322-335. 1841 (on "Der botanische Verein am Mittel- und Niederrhein"), 25(2): 394-399. 1842 (id.), 32: 64. 1849 (Schulherbarium to be issued, 4 Lief., 400 nos.), 36: 16. 1853

(Herbarium der Menthen, will be issued, 30 species available) 36: 192. 1853 (various sets exsicc.), 36: 679-680. 1853 (nos. 31-60 of Mentha issued, notes on other exsicc.), 39: 14-16. 1856 (list of contents various series), 39: 752. 1856 (Herb. deut. Flora, 2000 species for sale).
Wittrock, V.B., Acta Horti Berg. 3(3): 156, *pl. 126.* 1905.

HANDWRITING: Decheniana 110(2): *pl. 1* (after p. 288), Hoppea 42: 93. 1984.

EPONYMY: *Wirtgenia* C.H. Schultz-Bip. (1842).

**18.034.** *Leitfaden für den Unterricht in der Botanik* in Gymnasien und höheren Bürgerschulen ... Coblenz (Verlag von J. Hölscher) 1839. Duod. (*Leitf. Bot.*).
*Ed.* [*1*]: Aug 1839 (p. x: 18 Jun 1839; Flora rd. 9 Sep 1839), p. [i]-xi, [1]-318, [319, err., 320 colo.]. *Copy*: NY.
*Ed. 2*: 11-13 Sep 1845 (t.p. 1846, but Hinrichs 11-13 Sep 1845), p. [i]-vi, [vii-viii], [1]-483, [484]. *Copy*: NY. "*Leitfaden* ... Bürgerschulen. Zugleich als Anleitung zur leichteren Bestimmung der wildwachsenden phanerogamischen Pflanzen des mittleren und nördlichen Deutschlands ... Zweite umgearbeitete Auflage. Coblenz (id.) 1846. Duod.
*Ed. 3*: 1852, p. [i]-x, [xi-xii], [1]-628. *Copy*: NY. – "*Leitfaden* ... der wildwachsenden Gefässpflanzen ... Coblenz (id.) 1852. Duod.

Booknumber 18.035 has not been used.

**18.036.** *Flora des Regierungsbezirks Coblenz* ... Coblenz (Verlag von J. Hölscher) 1841. Duod. (*Fl. Coblenz*).
*Publ.*: 8-14 Aug 1841 (Hinrichs; p. vi: 14 Mai 1841, p. xi: 17 Mai 1841), p. [i]-xi, [1]-238, [235, err.], [240, colo.]. *Copy*: HH.

**18.037.** *Prodromus der Flora der preussischen Rheinlande.* Erste Abtheilung: Phanerogamen. Im Auftrage des bot. Vereins am Mittel- u. Niederrheine, zunächst für dessen Mitglieder unter besonderer Mitwirkung der H.H. Bach, Bogenhard, Dr. Fingerhuth, Flöck, Löhr, Sehlmeyer und Dr. Vogel bearbeitet und herausgegeben von Ph. Wirtgen, ... Bonn (In Commission des lith. Inst. d. rhein. Fr. Wilh.-Univ. von Henry & Cohen) 1842. Duod. (in 6-s). (*Prodr. Fl. preuss. Rheinl.*).
*Publ.*: 1842 (p. viii: 2 Mai 1842), p. [i]-xii, [1]-209, *1 pl. Copies*: G, HH, NY.
*Erster Nachtrag*: Verh. naturh. Ver. Preuss. Rheinl. 1: 39-47. 1844.
*Further Nachträge*: Ib. 2: 22-32. 1845, 3: 33-45. 1846, 4: 104-111. 1847, 7: 18-29. 1850, 8: 336-347. 1851.

**18.038.** *Florula bertricensis.* Eine Uebersicht der in den Umgebungen von Bertrich wild wachsenden oder gebaut werdenden Gefässpflanzen ... Verh. d.n. Ver. [preuss. Rheinl.] V. [1848]. Oct.
*Publ.*: 1848 (Flora rd. 1-28 Jan 1849), p. 189-227. *Copy*: B. – Reprinted and to be cited from Verh. naturh. Ver. preuss. Rheinl. 5: 189-227. 1848 [reprint contains also text on p. 227-230 by J.C. Fuhlrott, on birds].

**18.039.** *Herbarium Mentharum rhenanarum.* Erläuterungen zu dem Herbarium der rheinischen Menthen (Zweite Auflage) ... Coblenz (bei dem Herausgeber und in Commission bei J. Hölscher) [1855]. Oct. (*Herb. Menth. rhen.*).
*Publ.*: 1855 (p. [2]: 12 Mar 1855), p. [1]-16. *Copies*: BR, FI, G.

**18.040.** *Flora der preussischen Rheinprovinz* und der zunächst angränzenden Gegenden. Ein Taschenbuch zum Bestimmen der vorkommenden Gefässpflanzen ... Bonn (Verlag von Henry & Cohen) 1857. 18-mo. (*Fl. preuss. Rheinprov.*).
*Publ.*: Jun-Jul 1857 (p. vi: 23 Apr 1857; KNAW rd. Dec 1857; Bot. Zeit. 7 Aug 1857; Flora 28 Jul 1857; Bonplandia 1 Aug 1857), p. [i]-xxii, [1]-563 [564, colo.], *pl. 1-2. Copies*: BR, G, H, HH, MO, NY, USDA.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 15: 573-575. 14 Aug 1857 (rev.).

**18.041.** *Anleitung zur landwirthschaftlichen und technischen Pflanzenkunde* für Lehranstalten zum Selbstunterricht .... Erster [-Zweiter] Cursus ... Coblenz (Druck und Verlag von Rud. Friedr. Hergt) 1857 [1860]. Oct. (*Anleit. Pflanzenk.*).
*1*: 1857 (Bot. Zeit. 23 Jan 1857 rev.; ÖbW 19 Feb 1857), p. [i-viii], [1]-216.
*2*: 1860 (Flora 28 Apr 1861), p. [i-iv], [1]-252.
*Copy*: B-S.

**18.042.** *Rheinische Reise-Flora.* Kurze Uebersicht und Charakteristik aller in dem Stromgebiete des Rheines, mit Ausnahme des alpinen Theils, vorkommenden Gefässpflanzen ... Coblenz (Verlag von J. Hölschen) 1857. Oct. (*Rhein. Reise-Fl.*).
*Publ.*: Dec 1857 (Flora 14 Mar 1858 (dated Feb); Bot. Zeit. "erschienen" 19 Mar 1858 (rev. 16 Apr 1858), p. [i]-xxiv, [1]-328, [zweiter Theil. Geographische Uebersicht ...]: [i, iii], [1]-178. *Copy*: BR.
*Nachträge*: Verh. naturh. Ver. preuss. Rheinl. 26: 68-79. 1869; see also his *Beiträge zur rheinischen Flora* ib. 26: 1-67. 1869. – These two publications also issued together as a reprint, p. [1]-79. *Copies*: B, H, NY, U.
*Ref.*: Anon., Flora 41: 264-268. 7 Mai 1858 (rev.).

**18.043.** *Ueber die Vegetation der hohen und der vulkanischen Eifel* ... Bonn (Druck von Carl Georgi) 1865. Oct.
*Publ.*: 1865 (rev. Bot. Zeit. 13 Apr 1866), p. [i], [63]-291, [i*, verso of 292]. *Copies*: BR, M. – Reprinted (with t.p. and Uebersicht on p. [i*] added and to be cited from Verh. naturh. Ver. preuss. Rheinl. 2: [63]-291. 1865. Copies without title-page and ending with p. 291 are tearsheets from journal.

**18.044.** *Beiträge zur Flora der nördlichen Pfalz.* Eine Festgabe zur Feier des fünfundzwanzigjährigen Bestehens der Pollichia ... Dürkheim a.d.H. (Druck von J. Rheinberger) 1866. Oct.
*Publ.*: 1866, p. [1]-51. *Copy*: U. – Reprinted and to be cited from Pollichia 22-24: 48-96. 1866.

**18.045.** *Flora der preussischen Rheinlande* oder die Vegetation des Rheinischen Schiefergebietes und des deutschen niederrheinischen Flachlandes ... Erster Band. Die Thalamifloren Decandolle's. Bonn (Verlag von A. Henry) 1870. Oct. †. (*Fl. preuss. Rheinl.*).
*Publ.*: 1870 (Flora 21 Mar 1871; Bot. Zeit. 7 Apr 1871), p. [i, iii], [1]-372. *Copies*: BR, G, HH, NY.

**Wirth, Carl** (1883-?), Swiss botanist; studied at the teacher's seminary at Küsnacht 1899-1903; teacher at Zürich 1905; studied botany at the University of Zürich with Hans Schinz; Dr. phil. ib. 1914. (*Wirth*).

HERBARIUM and TYPES: Z.

BIBLIOGRAPHY and BIOGRAPHY: BFM 979; BL 2: 578, 733.

**18.046.** *Flora des Traverstales* und der Chasseronkette (Monographische Studie). Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde vorgelegt der Philosophischen Fakultät (mathematisch-naturwissenschaftliche Sektion) der Universität Zürich ... Zürich 1914. Oct. (*Fl. Traverst.*).
*Publ.*: shortly after Feb 1914 (date of promotion on p. 143), p. [1]-143. *Copy*: G. – Preprinted from Beih. bot. Centralbl. Abt. 2. 32: 195-328. 15 Aug 1914.
*Ref.*: Irmscher, E., Bot. Centralbl. 128: 476-478. 1915 (rev.).

**Wirz, Johannes** (1850-1915), Swiss botanist and high school teacher; studied at Basel and Lausanne; teacher in Donnersberg, Pfalz, Schiers and, from 1881-1912, at Schwanden. (*Wirz*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 509 (b. 10 Jul 1850); BFM 996; BL 2: 572, 733; Rehder 5: 927.

BIOFILE: Fischer, Ed., *in* Bibl. natl. Suisse, Fl. helvet. 4(5): 79, 127, 128. 1901.
Wirz, H., Ber. schweiz. bot. Ges. 24/25: 347-348. 1916 (obit., list publ. by H. Schinz on p. 348; d. 23 Sep 1915).

**18.047.** *Flora des Kantons Glarus.* Im Auftrag der Naturforsch. Gesellschaft des Kts. Glarus bearbeitet ... [Glarus] (Buchdruckerei Glarus) 1893-1896, 3 parts. Oct. (*Fl. Glarus*).
*1* (*Holzgewächse*): 1893, p. [1]-40.
*2* (*Kräuter*): 1895, p. [i], [1]-174.
*3* (*Grasartige Gewächse und Gefässkryptogamen*): 1896 (p. [vi]: 8 Jan 1896), p. [i-viii], [1]-72, *pl. 1-4.*
*Copy*: G.
*Reissue of part 1*: 1901, p. [1]-40. *Copy*: G. – Glarus (Buchdruckerei Neue Glarner Zeitung. – D. Hefti) 1901.
*Note*: See also his *Die Veränderungen in der Pflanzenwelt unseres Landes unter der Einwirkung des Menschen*, p. 1-59, 1898 (Neujahrsbl. 1, Naturf. Ges. Kant. Glarus).

**Wirzén, Johan Ernst Adhemar** (1812-1857), Finnish botanist, traveller and physician; mag. filos. 1832; travelled in Russia and Finland 1832-1835; med. kand. 1836, dr. med. 1840; from 1839 medical adjunct and botanical demonstrator at the University Helsinki; travelled in Sweden, Denmark and Germany 1846-1847. (*Wirzén*).

HERBARIUM and TYPES: H.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 509 (b. 30 Jan 1812, d. 18 Jan 1857); Biol.-Dokum. 19: 10106; BL 2: 64, 733; BM 5: 2341, 8: 2341; Collander Hist. p. 18, 23, 60, 73, 114; Herder p. 168, 414; Jackson p. 5, 124; Lipschitz no. 277; PR 10353-10355, ed. 1: 11320-11322; Rehder 5: 927; Saelan 510; TR 1606-1609; Tucker 1: 750.

BIOFILE: Autio, V.-M., Yliopiston virkanimitykset 344 [index]. 1981.
Elfving, F., Acta Soc. Fauna Fl. fenn. 50: 228. 1921.
Renvall, R.A., Biogr. anteckn. Finska Univ. Lärare 226-227 1869, ed. 2 [as "Finlands Universitet 1828-1890"] 410-411. 1891 (curr. vit., bibl.).

**18.048.** *Dissertatio academica enumerationem plantarum officinalium fenniam* sponte inhabitantium sistens, quam, venia experient. Facult. medicae ad Univ. imp. Alexandr. in Fennia, praeside Imman. Ilmoni, ... pro summis in re medica honoribus rite obtinendis, publicae modeste offert censurae Joh. Ernest Adhem. Wirzén ... in auditorio juridico die xi. Oct. mdcccxxxvii h.a.m.s. Helsingforsiae [Helsinki] (ex Officina typographica Frenckelliana) [1837]. Oct. (in 4-s). (*Diss. enum. pl. off. Fenn.*).
*Publ.*: 11 Oct 1837, p. [i], [1]-90, [1, err.]. *Copies*: H, H-UB, HH, NY.
*Commercial issue*: 1837, p. [i], [1]-90, [1, err.]. *Copy*: H. – *Plantae officinales Fenniam sponte inhabitantes* enumeratae a Johanne Ernesto Adhem. Wirzén. Helsingforsiae (id.) 1837. Oct. (in 4-s).

**18.049.** *Dissertatio academica in geographica plantarum* per partem provinciae casanensis distributione illustranda periculum sistens, quam, speciali permissu et venia ampl. ordin. philosophorum ad Univ. Alexandr. in Fennia publicae censurae modeste offert Joh. Ernest. Adh. Wirzén ... respondente Petro Edvardo Åberg ... in auditorio theol. die xii. Junii mdcccxxxix. h.a.m.c. Helsingforsiae [Helsinki] (ex Officina typographica Frenckelliana) [1839]. Oct. (*Diss. geogr. pl.*).
*Publ.*: 12 Jun 1839, p. [i], [1]-129, [130, err.], *1 table*. *Copies*: H, H-UB, NY, USDA.
*Commercial ed.*: 1839, p. [i], [1]-129, [130, err.], *1 table*. *Copies*: G, H.

**18.050.** *Scriptores rei herbariae fennicae.* Disquisitio botanico-critica, quam consensu experientissimae facultatis medicae ad imperialem Alexandream in Fennia universitatem, dissertationes academicis edidit Johannes Ernest. Adhem. Wirzén ... part. 1.

Respondente Nicolao Gustavo Nykopp ... in auditorio juridico die xxiv. maji mdcccxliii, h.a.m.s. publicae subjicienda censurae. Helsingrorsiae [sic], [Helsinki] (typis Frenckellianis) [1843]. Oct. †. (*Script. rei herb. fenn.*).
*Publ.*: 24 Mai 1843, p. [1]-16. *Copies*: H-UB, NY.

**18.051.** *Prodromus florae fennicae.* Periculum botanicum quod conscripsit et consensu experientissimae facultatis medicae ad imperialem Alexandream in Fennia universitatem dissertationibus academicis edidit Johannes Ernest. Adhem. Wirzén ... part. I. Respondente Sveno Augusto Ferdinando Strandberg ... in auditorio philosophico die iii. junii mdcccxliii. h.a.m.s. publicae subjicienda censurae. Helsingrorsiae [sic] [Helsinki] (typis Frenckellianis) 1843. †. Oct. (in 4-s). (*Prodr. fl. fenn.*).
*Pars 1*: 3 Jun 1843, p. [i-ii], [1]-16. *Copies*: H-UB, NY.
*Pars 2*: 3 Jun 1843, p. [i-ii], 17-32. *Copies*: H-UB, NY. – Part. ii. Respondente Gustavo Wilhelmo Engelbr. Rancken.

**Wislizenus, Friedrich** [later: **Frederick**] **Adolph** (1810-1889), German-born (Schwarzburg-Rudolstadt/Thuringian) American traveller, physician and author; studied natural sciences at Jena, Göttingen, Zürich and Paris; to the United States in 1835; settling as country physician at Mascoutah, Illinois; travelled in the Middle West 1839; settling as physician in partnership with Georg Engelmann in St. Louis 1839; travelled to Northern Mexico and the Gulf region 1846-1847; from 1850-1852 in Europe and California, again in St. Louis from 1852. (*Wisl.*).

HERBARIUM and TYPES: MO. – Other material in BG, GH, K, WB (destr.). – *Letters* to J. Torrey at NY.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 33; Barnhart 3: 509 (b. Mai 1810, d. 22 Sep 1889); BM 5: 2342; DAB 20: 430-431; Ewan ed. 1: 5, 8, 28, 299, 338-339, 2: 241-242; Herder p. 63; Hortus 3: 1207; Langman p. 808; Lenley p. 472; ME 1: 242, 3: 41-42, 680 [index]; Merrill p. 256-257, 398, 715; PR 10356; Rehder 1: 331; SO 2868; Tucker 1: 14, 750, 3: 339.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 259: 737. 1965; Who was who Amer., Hist. vol. 592. 1963.
Benson, L., Cact. Succ. J., U.S. 46: 74. 1974, 47: 40-43. 1975 (notes on date of publ. Memoir N. Mexico).
Elliott, C.A., Biogr. dict. Amer. Sci. 279. 1979.
Engelmann, G.J., Trans. St. Louis Acad. Sci. 5: 464-468. 1892.
Ewan, J., Century nat. Sci. San Francisico 62. 1955.
Geiser, S.W., Natural. Frontier 283. 1948.
Knobloch, I.W., Plant coll. N. Mexico 73. 1979; Prel. verif. list pl. coll. Mexico 105. 1983.
Lamb, D.S., *in* H.A. Kelly, Cycl. Amer. med. biogr. 519. 1912; *in* H.A. Kelly & W.L. Burrage, Amer. med. biogr. 1248. 1920.
McKelvey, S.D., Bot. Expl. Trans. Miss. West 1790-1850, p. 1143 [index]. 1955 (many details on his travels).
Rogers, A.D., John Torrey 139-142, 219, 244. 1942; Amer. bot. 1873-1892. 340 [index]. 1944.
Sargent, C.S., Silva 6: 94. 1894.
Schlueter, R.E., Frederick Adolphus Wislizenus, St. Louis, MO., p. 37-48. s.d.
Spaulding, P., Pop. Sci. Mon. 74: 129. 244-246. 1909.
Starr, F., Pop. Sci. Mon. 52: 629,631, 638, 643-644, 647. 1898.
Weiss, H.B., Pioneer cent. Amer. entom. 231-232. 1936.
Wislizenus, F.A., Gedichte. Seinen Freunden zum Andenken von seiner Familie. St. Louis, 1890, ix, l, 51 p. (*copy*: MO); Ein Ausflug nach den Felsen-Gebirgen im Jahre 1839, ... St. Louis 1840, 126 p.; A journey to the Rocky Mountains in the year 1839, translation from the German with a sketch of the author's life, by Frederick A. Wislizenus, Esq. St. Louis 1912 (biogr.), facsimile ed. Glorieta, New Mexico 1969, xv, 168 p., map.

COMPOSITE WORKS: *Beitraege zur genauern Kenntniss des noerdlichen Mexico, in* H. Berghaus, ed., *Physikalischer Atlas*, Gotha 1850, p. 28-53, map, 3 profiles.– Excerpt: Bot. Zeit. 8: 660, 675, 687, 703, 721-725. 1850; see also Arch. Pharm. ser. 2. 71: 224-230. 1852.

EPONYMY: *Wislizenia* Engelmann (1848).

**18.052.** 30th Congress, 1st session. [Senate] Miscellaneous. No. 26. *Memoir of a tour to Northern Mexico*, connected with Col. Doniphan's expedition, in 1846 and 1847 ... Washington (Tippin & Streeper, printers) 1848. Oct. (*Mem. tour N. Mexico*).
*Publ.*: Apr 1848 (t.p.: January 13, 1848. – Ordered that 5000 copies be printed ..., see Benson (1974 and 1975), p. [1]-141, 2 maps, table. *Copies*: BM, HH, NY, PH. – Botany, by G. Engelmann, on p. 87-115.
*German*: 1850, p. [i]-viii, [1]-211, 2 maps, table. *Copies*: MO, NY. – *Denkschrift über eine Reise nach Nord-Mexiko*, verbunden mit der Expedition des Oberstens Donniphan [sic], in den Jahren 1846 and 1847 ... aus dem Englischen übertragen von George M. von Ross ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1850. Oct.
*Reprint*: 1969, Rio Grande Press (n.v.).

**Wislouch, Stanislav [Michailovic]** (1875-1927), Russian botanist (hydrobiologist); studied at the forestry institute of St. Petersburg; assistant at the seed testing station at the Botanical Garden of St. Petersburg 1906-1908; assistant at the chair of botany at the Institute of gynaecology 1908-1919; professor of systematics of cryptogams at the St. Petersburg Agricultural Institute 1918; from 1922 in exile in Poland; professor of botany at the pharmaceutical faculty, Warsaw 1922-1927. (*Wisłouch*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 509 (b. 24 Jan 1875, d. 10 Jul 1927); Bossert p. 440; MW p. 533.

BIOFILE: Anon., Allg. bot. Z. 33: 64 (288). 1928 (d.).
Hryniewiecki, B., Acta Soc. bot. Polon. 8(3-4): 253-260. 1931 (obit., portr., bibl. 33 nos).
Issatschenko, B.L., Bull. Inst. Hydrol. 21: 7-10. 1928 (fide Bot. Centralbl. ser. 2. 14: 192. 1928); Bull. Jard. bot. U.S.S.R. 26: 653-654. 1927.
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Sieminska, J., Wiad. bot. 19: 215-218. 1975 (biogr., list 39 publ.).
Van Landingham, S.L., Cat. Diat. 4: 2383. 1971, 6: 3602. 1978, 7: 4239. 1978.

EPONYMY: *Wislouchiella* Skvortsow (1925).

**Wiśniewski, Tadeusz** (1905-1943), Polish bryologist, phytogeographer and traveller (born in Taganrog, to which city his father had been deported); from 1919 living in Warsaw; from 1928-1943 assistant at the Josef Piłsudski University, Warsaw; Dr. phil. ib. 1930; also working for the Polish botanical Society; excecuted as a hostage in Warsaw 30 Nov 1943. (*Wiśn.*).

HERBARIUM and TYPES: WA; other material in BM, C, JE, K, KRAM, LWD (herb. Łobarzewski, see Wiśniewski 1924), W. – *Letters* to F. Verdoorn with FAS; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Futak-Domin p. 660; Hirsch p. 326; Quenstedt p. 464; SBC p. 135.

BIOFILE: Anon., Rev. bryol. lichénol. 16: 131. 1947 (obit. not.).
Hryniewiecki, B., Acta Soc. bot. Polon. 19(2): 275-282. 1948 (obit., portr., bibl.).
Verdoorn, F., ed., Chron. bot. 3: 2, 223. 1937, 4: 63. 1938, 6: 310. 1941.
Vitt, D.H. et al., Compendium of bryology 223. 1985.

NOTE: (1) For Norbert Wiśniewski (1927-1976), German-Polish herpetologist and botanist (orchidologist), see Gleditschia 6: 5-8. 1978; Jahresber. nat. Ver. Wuppertal 29: 161-162. 1977; Niederlaus. flor. Mitt. 8: 60-61. 1977; Mitt. Arbeitskr. heim. Orch. 7: 7-9. 1977; Naturschutzarbeit Berlin Brandenburg 12(3): 96. 1976.
(2) For Piotr [Peter] Wiśniewski (1881-1971), Polish botanist; director of the Botanical Garden and the Botanical Institute Stefan Batory at Wilna (1919-1939), professor of general botany at Lublin 1944-1960, see Wiad. Bot. 14(1): 65-67. 1970, 17(2): 75-77. 1973.
(3) For the paleontologist and geologist Tadeusz Wiśniowski (1875-1933), see Bull. Service géol. Pologne 8: 16-28. 1937.

**18.053.** *Musci frondosi halicienses* quos collegit Hyacinthus J.C. Strzemie Łobarzewski ... We Lwowie [Lwow, Lemberg] (Nakładem Muzeum Im. Dzieduszyckich ...) 1924. Oct.
*Publ.*: 1924, p. [1]-23. *Copy*: H. – Reprinted from Acta Musaei Dzieduszyckiani 5(9): 67-85. 1923 [1924].
*Note*: Jan Kanty Łobarzewski (1816 [not 1815]-1862 (also Hyacinth Strzemie von - Lobarzewski), the first Polish bryologist, was professor of botany at Lemberg [Lwow] 1839-1862; for details see this publication by Wisniewski (e.g. French summary on p. 7-8) and TL-2/3: 129. The Łobarzewski collections are [were?] at LWD; another set was at B until 1943 of which the material of several genera is still extant. – "Halicienses": from Galicia. – Lwow [Polish], (Lemberg [German], Lvov [Russian]), was part of the Austrian empire at the time of Łobarzewski; Polish at the time of Wiśniewski and under U.S.S.R. sovereignty [Ukraine] from 1945.

**18.054.** *Les Associations des Muscinées* (Bryophyta) *épiphytes de la Pologne*, en particulier celles de la forêt vierge de Białowieza ... Cracovie [Kraków, Cracow] 1930. Oct.
*Publ.*: 1930, cover-t.p., p. [293]-342, *pl. 43-52*, table 5. *Copies*: B, H, NY. – Reprinted and to be cited from Bull. Acad. Polon. Sci. Lettr., ser. B. Sci. nat. 1 (8-10): 298-342 [for Oct-Dec 1929, publ.:] 1930.

**18.055.** *Studja biometryczne nad zmiennościa buka* (Fagus silvatica) W Polsce I. Biometrische Untersuchungen über die Variabilität der Rotbuche (Fagus silvatica) in Polen I. ... Lwów [Lemberg, Lvov] (Nakładem Polskiego Towarzystwa leśnego ...) 1932. Oct.
*Publ.*: 1932, cover-t.p., p. [1]-27 [German summary on p. 24-26]. *Copies*: B, U. – Reprinted and to be cited from Sylwan 50[also 6 (7-8)]: 197-207, 233-249. 1932.

**18.056.** *Polskie gatunki rodzaju Cephalozia* Dum. (Polnische Cephalozia-Arten). Vorarbeiten zu einer Lebermoosflora Polens) Warszawa 1934. Oct.
*Co-author*: [Miss] Ir. Rejment.
*Publ.*: 1934, cover-t.p., p. [461]-490. *Copies*: B, H. – Reprinted and to be cited from Acta Soc. bot. Polon. 11, suppl. 461-490. 1934.

**18.057.** *Mchy A.J. Zmudy* w zbiorach Muzeum fizjograficznego Polskiej Akademji umiejetności. Cześć. I. Zielnik Główny. (Les Muscinées de A.J. Zmuda dans les collections du Musée physiographique de l'Académie polonaise des Sciences. I. L'Herbier général ... Osobne odbicie z ... Spraw. Kom. fizjogr. Polskiej Akademji umiej. [1934]. Oct.
*Collector*: Antoni Józef Zmuda (1889-1916 [1918]).
*Publ.*: 1934, p. [39]-63. *Copy*: NY. – Reprinted and to be cited from Spraw. Kom. Fiz. P.A.U. Krakow 68: 39-63. 1934.

**18.058.** *Das montane Element in der Lebermoosflora des Seengebietes von Suwałki* ... Cracovie (Imprimerie de l'Université) 1935. Oct.
*Co-author*: [Miss] Ir. Rejment.
*Publ.*: 1935 (read 4 Feb 1935; journal issue for Jan-Mar 1935), cover-t.p., p. [11]-31. *Copies*: B, H. – Reprinted and to be cited from Bull. Acad. polon. Sci. Lettr., ser. B. Sci. nat. 1(1-3): 11-31. 1935.

**18.059.** *Hydrilla verticillata* Casp. dans le pays lacustre de Suwałki (Pologne septentrionale) et son écologie ... Cracovie [Kraków] (Imprimerie de l'Université) 1935. Oct.

*Publ.*: 1935 (journal issue for Apr-Jul 1935), cover-t.p., p. [147]-161. *Copy*: B. – Reprinted and to be cited from Bull. Acad. Sci. Lettr. ser. B. Sci. nat. 1(4-7): 147-161. 1935.

**18.060.** *La structure des lamelles des feuilles chez les espèces européennes du genre Polytrichum* Dill. ... Cracovie [Kraków] 1935. Oct.
*Co-author*: [Miss] L. Goetzen.
*Publ.*: 1935 (read 1 Apr 1935; issue for Apr-Jul 1935), cover-t.p., p. [163]-176. *Copies*: B, H. – Reprinted and to be cited from Bull. Acad. polon. Sci. Lettr., ser. B. Sci. nat. 1(4-7): 163-176. 1935.

**18.061.** *Verzeichnis der von J. Bornmüller verfassten Arbeiten* ... [Sonderabdruck aus Fedde, Repertorium, Beiheft C ...] 1938. Oct.
*Publ.*: 1 Mar 1938, cover, p. 11-27. *Copies*: B, FAS. – Reprinted and to be cited from Repert. Sp. nov., Beih. C: 11-27. 1938. – For Joseph Friedrich Nicolaus Bornmüller (1862-1948) see TL-2/1: 283-284.

**Wiström, Johan Alfred** (1830-1896), Swedish botanist, entomologist and high school teacher; Dr. phil. Uppsala 1857; teacher at Hudiksvall's high school 1859-1896; habil. Uppsala 1867. (*Wiström*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 509; BL 2: 524, 733; KR p. 768 (b. 28 Aug 1830, d. 5 Jul 1896); Morren ed. 10, p. 104.

BIOFILE: Anon., Bot. Not. 1897: 47; Brit. Mus. gen. cat. print. books 259: 763. 1965.
Aurivillius, Chr., Entom. Tidskr. 17: 293-297. 1896 (obit., portr.).
Lindman, S., *in* Sv. män kvinn. 8: 414-415. 1955.
Wittrock, V.B., Acta Horti Berg. 3(2): 77. 1903, 3(3): 59. 1905.

**18.062.** *Provinsen Helsinglands fanerogama vexter* och ormbunkar. Afhandling, som jemte theser, med högv. Domkapitlets i Uppsala tillstånd, för lectorat i naturvetenskap till offentlig granskning framställes af Johan Alfred Wiström på vanligt rum och tid den 17 Maj 1867. Gefle (A.P. Landin) 1867. Oct. (*Prov. Helsingl. fan. vext.*).
*Publ.*: 1-17 Mai 1867, p. [1]-44,[1]-3. *Copy*: Peterson.

**18.063.** *Förteckning öfver Helsinglans fanerogamer* och pteridofyter, uppgjord efter J.A. Wiströms efterlämnade anteckningar och med tillägg utgifven af P.W. Wiström ... Wimmerby (O. Söderlings tryckeri) 1898. Oct. (*Förteckn. Helsingl. fan.*).
*Editor*: Per Wilhelm Wiström (1865-1926), see below.
*Publ.*: 1898 (p. [5]: Apr 1898; Nat. Nov. Oct(1) 1899), p. [1, t.p.]-104(with corr. slip pasted in), [105]-107: Appendix: [1] A.J. Douhan, Observationer ... Öfver tiden för vårväxters blomning och flyttfåglars ankomst i Järfsö och Ljusdal. [2-3] J. A. Wiström, Observationer ... öfver tiden för vårväxters blomning och flyttfåglars ankomst i trakten af Hudiksvall. *Copies*: H, NY, Peterson.
*Addenda*: C.G. Westerlund, Bot. Not. 1906: 1-40, 1909: 95-96 and S.B.G. Birger, Bot. Not. 1906: 81-84.

**Wiström, Per Wilhelm** (1865-1926), Swedish botanist and educator; Fil. kand. Uppsala 1888; with the Ultuna agricultural station 1888, later teacher at elementary and agricultural schools in Södrar Vi, 1890-1897, Fornby 1898-1908 and Svalov 1908-1926; nephew of J.A. Wiström. (*P. Wiström*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 509; BL 2: 520, 524, 733; KR p. 769 (b. 4 Jul 1865).

BIOFILE: Birger, S., Sv. bot. Tidskr. 21: 119-121. 1927 (obit., portr., d. 21 Jun 1926).
Lindman, S., *in* Sv. män kvinn. 8: 415. 1955 (d. 21 Jun 1926).
Wittrock, V.B., 3(2): 77. 1903, 3(3): 59. 1905.

**18.064.** *Växtgeografiska studier* rörande öfvergången mellan den nordsvenska och mellansvenska kärlväxtfloran ... Falun (Falu Nya Boktryckeri-Aktiebolag) 1906. Oct. (*Växtgeogr. Stud.*).
*Publ.*: 1906, p. [1, t.p.]-43. *Copies*: NY, Peterson.

**Wit, Hendrik Cornelis Dirk de** (1909-x), Dutch botanist; studied at the University of Amsterdam 1931-1937 and at Pretoria, M.Sc. 1938, Dr. phil. 1941; agricultural research officer, Dept. Agriculture, Pretoria 1938-1940; botanist at the Botanical Garden Buitenzorg (Bogor) 1941-1946; botanist with the Flora malesiana foundation 1946-1953; also high school teacher at Bussum and Amsterdam 1951-1953; lecturer at the University of Leiden 1953-1959; lecturer at the Agricultural University Wageningen 1953-1959, ordinary professor of plant taxonomy and plant geography of the tropics and subtropics ib. 1959; also director of the laboratory of plant taxonomy and plant geography from 1969-1980. (*de Wit*).

HERBARIUM and TYPES: WAG, also L. – Further material and types in BO. – *Letters* in G, IAPT-files.

BIBLIOGRAPHY and BIOGRAPHY: BFM 1288; Bossert p. 440; Hortus 3: 1191; IH 1 (ed. 2): 70, 125, (ed. 3): 88, 161, (ed. 4): 96, 179, (ed. 5): 99, 195, (ed. 6): 289, (ed. 7): 304; MW suppl. p. 395; NI suppl. 20, 22, 44, 59, 67; Roon p. 124; SK 1: 582 (coll., itin.), 8: cix; Zander ed. 10, p. 651-652, 733, ed. 11, p. 741.

BIOFILE: Anon., Rijnstreek, Wageningen 24 Oct 1979 (interview; anecdotes. *Copy*: FAS).
Arditi, J., ed., Orchid biology 1: 296 [index]. 1977 (on p. 47-94 commentary on Rumphius' orchids).
Boelema, G., *in* J.C. Arends et al., Liber gratulatorius, Misc. Pap. Wageningen 19: 1-2. 1980 (curr. vit., portr.).
Bos, J.J., ed., H.C. Delia gaat in ontwikkelingshulp/zwart-witboek over de periode 1953-1980, 100 p., Veenman, Wageningen ("non sine pugna", informal sketches on H.C.D. de Wit).
Bruijn, J. de, *in* J.C. Arends et al., Liber gratulatorius 89-144 (e.g. portr., on p. 97; work on WAG).
Frodin, D.G., Guide standard floras world nos. R89, S91-93, 928. 1984.
Jacobs, M., Fl. males. Bull. 34: 3549-3551. 1981 (curr. vit.); Hermann Johannes Lam 16, 40, 100, 122, 171. 1984.
Lowden, R.M., Taxon, index pers. names vols. 1-30. 801. 1985.
Steenis, C.G.G.J. van, Fl. males. Bull. 11: 405. 1955 (lecturer Wageningen), 14: 626. 1959 (prof. syst. bot. ib.), 15: 710. 1960 (id.).
Taylor, S.S. & M. Spruytenburg, Who's who Netherlands ed. 1. 795. 1963.

COMPOSITE WORKS: (1) *History of Malaysian phytography*, *in* C.G.G.J. van Steenis, ed., Fl. males. ser. 1. 4: lxx-clxi. 1949.
(2) Editor, *Rumphius memorial volume*, Amsterdam 1959 (see e.g. Blumea 10: 318-319); author of *A checklist to Rumphius's Herbarium amboinense*, ib. p. 339-460; see also a further commentary in J. Arditti, ed., Orchid biology 1: 47-94. 1977, and Taxon 1: 101-110. 1952.
(3) With M.S. Abdallah, *The Resedaceae*, Wageningen 1978, 2 vols., 416 p. and atlas (Belmontia n.s. vol. 8).

FESTSCHRIFT: J.C. Arends et al., *Liber gratulatorius* in honorem H.C.D. de Wit, Wageningen 1980, Misc. Pap. Landbouwhogeschool Wageningen 19, 1980 (see Taxon 30: 714. 1981).

THESIS: Setaria in South Africa (publ. in abbreviated form as *Contributions to the knowledge of the genus Setaria Beauv., in South Africa*, in *Bull. Jard. bot. Buitenzorg* ser. 3. 17: 1-87. 1941.

HANDWRITING: Fl. males. ser. 1. 1: clii. 1950.

NOTE: Most publications of this profilic author fall outside our period, such as *An introduction to the Botanic Garden* (*'s Lands Plantentuin*), *Buitenzorg*, Buitenzorg 1942, 45, 17 p., map. 1942; *Revision of the genus Sindora*, Bull. Bot. Gard. Buitenzorg ser. 3. 18(1): 5-82. 1949; *A revision of Malaysian Bauhineae* Reinwardtia 3(4): 381-539. 1956; *Wereld der planten*, 3 vols. (vol. 3 by K.B. Boedijn), Den Haag 1963-1966; *Aquarium plants*, London 1964 (German transl. *Aquarienpflanzen*, Stuttgart 1971).

**18.065.** *Conspectus of the genus Archidendron* F. von Mueller (Legum.) ... Buitenzorg (Archipel Drukkerij) 1942. Oct.
*Publ.*: Apr 1942, cover-t.p., p. [256]-272. *Copy*: B. – Reprinted and to be cited from Bot. Gard. Buitenzorg ser. 3. 17(2): 256-272. 1942.

**Witasek, Johanna** (1865-1910), Austrian botanist and teacher in Vienna; teacher at a girl's high school from 1891; working also with R. von Wettstein at the Botanical Institute of the University from 1899-1910. (*Witas.*).

HERBARIUM and TYPES: WU. – Other material GZU. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 509 (b. 13 Aug 1865, d. 5 Jul 1910); BJI 2: 193; BM 5: 2342; Collander p. 585; CSP 19: 674; DTS 6(4): 208-209; Futak-Domin p. 660; Hortus 3: 1207; Kleppa p. 11, 12, 61, 96, 191, 237; KR p. 769; MW p. 533; TL-2/12.006.

BIOFILE: Anon., Allg. bot. Z. 16: 144. 1910 (d.); Bot. Not. 1910: 176 (d. 5 Jul 1910); Index Amer. bot. lit. 1886-1966. 4: 561. 1969; Hedwigia 50: (192). 1910 (d.); Nat. Nov. 32: 460. 1910 (d.); Österr. bot. Z. 60: 327. 1910 (d.).
Janchen, E., Richard Wettstein 190. 1933.
Kirpicznikow, M.C., Taxon 14: 66. 1965 (abbr. "Witas.").
Shetler, S.G., Taxon 12: 260-262. 1963 (on W.'s nomenclature in *Campanula*; use of binomials for infraspecific taxa).

COMPOSITE WORKS: (1) *Solanaceae*, *in* K. Rechinger, *Botanische und zoologische Ergebnisse einer wissenschaftlichen Forschungsreise nach den Samoainseln* 3: 168-176. Mai 1910 (journal: Denkschr. Akad. Wiss. Wien, math.-nat. Kl. 85: 342-350. 1910) and 5: 159-160. 1913 (journal 89: 601-602, see TL-2/8726).
(2) *Die Arten der Gattung Callianthemum*, Verh. zool.-bot. Ges. Wien 49(6): 316-356. 10 Juli 1899 (no reprint seen by us).

**18.066.** *Ein Beitrag zur Kenntnis der Gattung Campanula* ... Wien (Alfred Hölder ...) 1902. Oct. (*Beitr. Kenntn. Campanula*).
*Publ.*: 25 Feb 1902, p. [i]-iv, [1]-106. *Copies*: BR, G, HH, NY. – Issued as Abh. k.k. zool.-botan. Ges. Wien 1(3): 1902. – See S.G. Shetler (1963) for the use of binomials for infraspecific taxa in this work.

**18.067.** *Einige Bemerkungen über Campanula rotundifolia* L. und mehrere nächst verwandte Arten ... Särtryk ur "Meddelanden af Societas pro Fauna et Flora fennica ..." 1903. Oct.
*Publ.*: 1903, p. [203]-210. *Copy*: B. – Reprinted and to be cited from Medd. Soc. Fauna Fl. fenn. 29: [203]-210. 1903.

**18.068.** *Die chilenischen Arten der Gattung Calceolaria* ... Separatabdruck aus der "Österr. botan. Zeitschrift", ... 1906. Oct.
*Publ.*: Dec 1905 and Jan 1906 (in journal). – Reprinted and to be cited from Österr. bot. Z. 35: 449-456. Dec 1905, 56: 13-20. Jan 1906.

**18.069.** *Erwiderung* ... Bot. Not. 1907. Oct.
*Publ.*: 15 Mai 1907 (date on issue; Nat Nov. Oct(2) 1907), p. 161-167. *Copy*: B. – Reprinted and to be cited from Bot. Not. 1907: 161-167. – For the original publicat-

ion by H.G. Simmons (1907) see TL-2/ 12.006: *Ueber einige lapplandische Phanerogamen*, Ark. Bot. 6(17). 1907, with criticism by L.M. Neuman, J. Witasek and a reply by Simmons, all going back to Witasek's *Beitr. Kenntn. Campanula* (1902), see above.

**18.070.** *Über Kränzlin's Bearbeitung der "Scrophulariaceae* Antirrhinoideae-Calceolariae" in Englers "Pflanzenreich" ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift ..." 1907. Oct.
*Publ.*: Jun-Sep 1907 (in journal), p. [1]-21. *Copies*: B, G, M. – Reprinted and to be cited from Österr. bot. Z. 57: 217-230. Jun, 259-265. Jul-Aug, 360-361. Sep 1907. – On F.W.L. Kraenzlin (1847-1934), *Scrophulariaceae*, Heft 28, in A. Engler, Pflanzenreich 5 Apr 1907.

**18.071.** *Über die Sprossfolge bei einigen Calceolaria-Arten* ... Separatabdruck aus der "Oesterreichischen botanischen Zeitschrift, ..." 1908. Oct.
*Publ.*: Apr 1908, p. [1]-5. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 58: 129-133. 1908.

**18.072.** *Solanaceae* ... Ergebnisse der botanischen Expedition ... nach *Südbrasilien* 1901 ... Wien (Aus der Kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1910. Qu. (*Solanaceae Südbrasilien*).
*Publ.*: Nov-Dec 1910 (ÖbZ Nov-Dec 1910; mss. submitted 21 Apr 1910; preprint issued 1910 fide note on t.p. of completed volume Denkschriften 79(2). 1931), p. [1]-63, *pl. 27-31* with text. *Copies*: B, BR, G, M. – Preprinted from R. von Wettstein, *Ergebnisse der botanischen Expedition der kaiserlichen Akademie der Wissenschaften nach Südbrasilien 1901*. – I. Band Pteridophyta und Anthophyta, Denkschr. Akad. Wiss. Wien, Math.-nat. Kl. 79(2): [313]-375, *pl. 27-31* with text. 1931 [see t.p. of journal volume for note on prepublication of separate treatments in 1910].

**18.073.** *Die von* Prof. Dr. V. *Schiffner* in den Jahren 1893 und 1894 *auf Java und Sumatra gesammelten Solanaceen* ... [Sonderabdruck aus ... der Österreichischen botanischen Zeitschrift ... 1931]. Oct.
*Publ.*: 1931, p. [i, recto of [162]], [162]-167. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 80(2): [162]-167. 1931. – Posthumously published by V. Schiffner: "Manuskript ... seinerzeit durch ein Versehen in Verstoss geraten und erst neuerdings aufgefunden worden ..."

**Witham, Henry Thomas Maire** (né Silvertop) (1779-1844), British geologist and palaeobotanist; married Eliza Witham of Headlam 1800; sheriff of County Durham; from 1801-1826 living at Larbington, subsequently living in Edinburgh; founder, 1829, of the Natural History Society of Northumberland. (*Witham*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 350; Barnhart 3: 509; BB p. 331-332; BM 5: 2343; CSP 6: 404; Desmond p. 670 (b. 28 Mai 1779, d. 28 Nov 1844); DSB 14: 462-463 (A.G. Long) (further sec. lit.); Jackson p. 176, 181; PR 10357-10359, ed. 1: 11324-11326.

BIOFILE: Andrews, H.N., Fossil hunters 76-79. 1980.
Anon., Brit. Mus. gen. cat. print. books 259: 784. 1965.
Rackham, R.A., Newsletter Soc. Hist. nat. Hist. 19: 9-10. 1983.
Scott, D.H., *in* F.W. Oliver, Makers Brit. Bot. 243-260. 1913.

EPONYMY: *Withamia* Unger (1842); *Withamia* A.C. Seward (1895).

**18.074.** *Observations on fossil vegetables*, accompanied by representations of their internal structure, as seen through the microscope ... Edinburgh (William Blackwood), London (T. Cadell, ...) 1831 [i.e. 1830]. Qu. (*Observ. foss. veg.*).
*Publ.*: 1 Dec 1830 (date receipt of copy from author by Geol. Soc. London; t.p. 1831, p.

[iii]: 1 Nov 1830), p. [i-iii], [1]-48, *pl. 1-6* (uncol. liths. W. MacGillivray). *Copies*: NY, PH.

**18.075.** *A description of a fossil tree* discovered in the Quarry at Craigleith near Edinburgh in the month of November 1830), Edinburgh 1831. Qu. (*Descr. foss. tree*).
*Publ.*: 28 Jul 1831 (or somewhat earlier; date receipt Geol. Soc. London). – Preprinted or reprinted from Trans. Nat. Hist. Soc. Newcastle 1: 294-301. 1831.
*Re-publication*: with a "Short account of a fragment and branch found in 1831", in Trans. R. Soc. Edinburgh 12: 147-152.

**18.076.** *The internal structure of fossil vegetables* found in the Carboniferous and Oolitic deposits of Great Britain, described and illustrated ... Edinburgh (Adam & Charles Black), London (Longman, ...) 1833. Qu. (*Int. struct. foss. veg.*).
*Publ.*: 1833 (p. [iii]: 1 Jun 1833), p. [i-iii], [1]-84, *pl. 1-16* (p.p. col. liths. W. MacGillivray). *Copies*: G, HH, PH, Geol. Bur. Heerlen.

**Withering, William** (1741-1799), British physician, botanist and mineralogist; studied at the University of Edinburgh, M.D 1766; practicing physician at Stafford 1767-1775; idem at Birmingham 1775-1799. (*With.*).

HERBARIUM and TYPES: BM (orig. herb., from LINN; also alg., bryoph., lich.); further material at BR, K, and BM (incl. alg., bryoph., lichens), LINN (in herb. J.E. Smith; orig. herb. now at BM), LIV, UPS-Thunb. – *Manuscripts* see Bridson (1980); *letters* and R. Brown's notes on his herbarium (crypt.) at BM; to J.E. Smith at LINN, at Royal Society of Medicine, London.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 78, 186, 300; Backer p. 664; Barnhart 3: 510 (b. 28 Mar 1741, d. 6 Oct 1799); BB p. 332; BL 2: 472; BM 5: 2343; Bossert p. 440; Dawson p. 878; Desmond p. 670-671; DNB 62: 268 (21: 739-741); Dryander 3: 14, 131, 510-511; DSB 14: 463-465 (W.F. Bynum); Frank 3 (Anh.): 115; GR p. 386, cat. p. 73; Henrey 2: 748 [index], 3: nos. 1505-1519; Herder p. 171; Hortus 3: 1207; Jackson p. 234, 237; LS 29169-29170; Plesch p. 461-462; PR 10360, ed. 1: 11329-11331; Rehder 5: 928; SBC p. 135; SO 675b-d; Sotheby 819-820; Stevenson p. 1263; TL-1/1437-1440; TL-2/5173, 12.324, see J. Hull, E. Robson, J. Shepherd, J.E. Smith, C.P. Thunberg; Tucker 1: 14, 751, 2: xl, 3: 339; Zander ed. 10, p. 733, ed. 11, p. 837.

BIOFILE: Allen, D.E., Victorian fern craze 8-9. 1969.
Anon., Brit. Mus. gen. cat. print. books 259: 803-805. 1965; Cat. gén. livr. impr. Bibl. natl. 225: 567-569. 1976; Cottage Gardener 7: 43. 1852 (memorial tablet in church of Edgbaston).
Bagnall, J.E., Fl. Warwickshire 492-493. 1891; Fl. Staffordshire 70. 1901.
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**18.077.** *A botanical arrangement of all the vegetables* naturally growing *in Great Britain.* With descriptions of the genera and species, according to the system of the celebrated Linnaeus. Being an attempt to render them familiar to those who are acqainted with the learned languages. Under each species are added, the most remarkable varieties, the natural places of growth, the duration, the time of flowering, the peculiarities of structure, the common English names; the names of Gerard, Parkinson, Ray and Bauhine [sic]. The uses as medicines, or as poisons; as food for men, for brutes [i.e. animals], and for insects. With their applications in oeconomy and in the arts. With an easy introduction to the study of botany. Shewing the method of investigating plants, and directions show to dry and preserve specimens. The whole illustrated by copper plates and a glossary ... Birmingham (printed by M. Swinney), London (for T. Cadel and P. Elmsley ...) 1776. Oct. (*Bot. arr. veg. Gr. Brit.*).
*1*: 1776, p. [i*], *pl. 1*, [i]-xviii, xvii-xcvi, [1]-383, *pl. 2*.
*2*: 1776 (Lond. Rev. 4: 474-475. Dec 1776, rev.), p. [i-iv], 385-784, 783-838, *pl. 3-12* (uncol. copp.). Some copies have preface matter p. [i, t.p.] only.
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*Further editions*: Have different titles, see below.
*Ref.*: Ackerknecht, E.H., Bull. Hist. Nat. 36: 400-419. 1962.
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**18.078.** *An account of the foxglove*, and some of its medical uses: with remarks on dropsy, and other diseases ... Birmingham (printed by M. Swinney), London (for C.G.J. and J. Robinson ...) 1785. Oct. (*Account foxglove*).
*Publ.*: 1785, p. [i]-xx, [xxi], [1]-207, [208], *1 pl. Copies*: HU, USDA. – For a bibliogr. analysis and further details see HU 676. For plate see E. Brodman (1945).
*Other ed.*: in Misc. tracts W. Withering, 1822.
*Facsimile ed.*: s.d., Broomsleigh Press, London; also in L.A. May, *Withering on the foxglove* and other classics in pharmacology, New York (Dabor Science Publ.) 1977.
*German transl.* (*1*): 1786, p. [i]-xxviii, [1]-234, *1 pl.* [235]. *Copies*: NLM, NSUB. – *Abhandlung vom rothen Fingerhut* und dessen Anwendung in der praktischen Heilkunde vorzüglich bei der Wassersucht und einigen anderen Krankheiten. Aus dem Englischen vom D. Christian Friedrich Michaelis ... Leipzig (In der Johann Gottfried Müllerschen Buchhandlung) 1786.
*German transl* (*2*): 1929, frontisp., p. [1]-209, [210]. *Copies*: B, GOET, LC. – *Bericht über den Fingerhut* und seine medizinische Anwendung ... Mannheim (C.F. Boehringer & Soehne, ...).

**18.079.** *A botanical arrangement of British plants*; including the uses of each species, in medicine, diet, rural oeconomy and the arts. With an easy introduction to the study of botany, &c. &c. Illustrated by copper plates. The *second edition* ... including a new set of references to figures. By Jonathan Stokes ... Birmingham (printed by M. Swinney) London (for C.G.J. & J. Robinson, ...) Edinburgh (J. Balfour, ...) 1787-1792, 3 vols. (in 4). Oct. (*Bot. arr. Brit. pl. ed. 2*).
*1*: Aug-Sep 1787 (p. ix: 24 Aug 1787; W. sent a copy to Banks on 5 Oct 1787), p. [i*], [i]-lxvi, [1]-484, *pl. 1-2*.
*2*: Aug-Sep 1787 (t.p.; W. sent a copy to Banks on 5 Oct 1787), p. [i, iii], 485-1151, *pl. 3-12* [sometimes bound with vol. 3]. [MICH copy: p. 485-500, orig. numb.: 449-465, obliterated; id. 503 which was 519. NY copy: p. 485-507 originally numbered 449-523].
*3*(*1*): Jul-Dec 1789 (see Stafleu, Taxon 12: 84), p. [i*], [i]-clvii, chart. – Page [i*] is an undated provisional t.p.
*3*(*2*): Sep-Dec 1792 (see Stafleu, Taxon 12: 84), p. [i-xxiv], 9-503, *pl. 13-19* (*17-18* col.), Birmingham (printed by Swinney & Walker) London ...
*Copies*: HH, MICH, NY, US; IDC 5819.
*Note*: for Jonathan Stokes (1755-1831), see TL-2/6: 15-16.
*Ed. 3*: see below.

**18.080.** *An arrangement of British plants*; according to the latest improvements of the Linnaean system. To which is prefixed, an easy introduction to the study of botany. Illustrated by copper plates ... The *third edition*, in four volumes ... Birmingham (printed for the author, by M. Swinney), London (sold by C.G. & J. Robinson, ...) 1796. 4 vols. Oct. (*Arr. Brit. pl. ed. 3*).
*1*: 1796 (Mon. Rev. London Jan 1797), p. [i]-xii, [1]-402, *pl. 1-16*, 19 (uncol. copp.). Plates 17-18 issued with vol. 4.
*2*: 1796 (id.), p. [i-iii], [1]-256, 259-512, *pl. 20-28*.
*3*: 1796 (id.), p. [i-iv], 513-920, *pl. 29-30*.
*4*: 1796 (id.), p. [i-iii], [1]-418 [p. 418 in some copies err. numbered 420], *pl. 17-18, 31*.
*Copies*: G, HH, LIV, MO, NY(1), US, USDA; IDC 5820.

**18.081.** *A systematic arrangement of British plants*; ... with an easy introduction to the study of botany. Illustrated by copper-plates. By William Withering, MD. ... the *fourth edition*, in four volumes: corrected and enlarged by William Withering, Esq. ... London (printed for T. Cadell, Jun. ...) 1801. Oct. (*Syst. arr. Brit. pl. ed. 4*).
*Editor and author of corrections*: William Withering Jun. (1775-1832).
*Ed. 4*: 26 Dec 1801 (S.W. Greene, J. Soc. Bibl. nat. Hist. 4: 66. 1962), 4 vols. *Copies*: G, HH, MICH, MO, PH, USDA; IDC 5487.

*1*: p. [i]-xiv, [1]-402, *pl. 1-16, 19.*
*2*: p. [i-iii], [1]-444, *pl. 20-28, 32.*
*3*: p. [i-iii], [445]-900, *pl. 29-30.*
*4*: p. [i-iii], [1]-409, [410], *pl. 17-18, 31.*
*Ed. 5*: 1812 (1: xi dated Jun 1812), "... corrected and considerably enlarged by William Withering, Esq. [Jun.] ..., 4 vols. Birmingham (printed for Thomsom and Wrightson). Oct. 4 vols. *Copies*: BR, G, HH, LIV, MICH, MO, NY, Stevenson, USDA.
*1*: p. [i]-xx, [1]-402, *pl. 1-16, 19.*
*2*: p. [i, iii], [1]-554, *pl. 20-28, 32, 33, 35.*
*3*: p. [i, iii], [555]-1087, [i]-xxxiii, *pl. 29, 30, 34.*
*4*: p. [i, iii], [1]-440, [1-18, index], *pl. 17-18* [plate *31* was not issued].
*Ed. 6*: 1818 (p. [v]: Jan 1818), "corrected and considerably enlarged by William Withering, Esq. [Jun.] ..." London (printed for Cadell and Davies, ...) Oct. 4 vols. *Copies*: BR, G, HH, LIV, PH.
*1*: p. [i]-xx, [1]-402, *pl. 1-16, 19,* [1-3, errata; bound in different places in different copies].
*2*: p. [i-iv], [1]-595, *pl. 20-28, 32-33, 35.*
*3*: p. [i-iv], [597]-1138, [1-2, blank; 3-36 indexes], *pl. 29-30, 34.*
*4*: p. [i-iv], [1]-481, [1-19, indexes], *pl. 17-18.*
*Ed. 7*: 1830 (preface p. lvi: 1 Jan 1830), "including the most recent discoveries, ..." London (printed for C.J.G. and F. Rivington, ...). Oct. 4 vols. *Copies*: G, HH, HU, LIV, MO, U, USDA; IDC 6485. – See also D.E. Johnson, Huntia 6: 108. 1985.
*1*: p. [i]-lxix, [1]-394, *pl. 1-16, 19.*
*2*: p. [i-iv], [1]-590, 590*, *pl. 20-22, 24-28, 31-32, 34.*
*3*: p. [i-iv], [591]-1169, *pl. 23, 29-30.*
*4*: p. [i-iv], [1]-320, 337-444, *pl. 17-18.*
*Note*: The "eighth" edition mentioned by PR is identical with W. MacGillivray, *Syst. arr. Brit. pl.* 1830, see TL-2/5173, an independent work, which went through 14 editions itself. Additional information:
*Ed. 5*: 1841. *Copy*: MO.
*Ed. 7*: 1848. *Copy*: MO.
*Ed. 10*: 1858, p. [i-iv], [5]-476, *pl. 1-16. Copies*: HH, LIV.

**18.082.** *The miscellaneous tracts of the late William Withering*, ... to which is prefixed a memoir of his life, character, and writings. In two volumes ... London (printed for Longman, Hurst, Rees, Orme, and Brown, ...) 1822. 2 vols. Oct. (*Misc. tracts*).
*Editor* and author of biogr. memoir: William Withering Jun. (1775-1832), son of William Withering (1741-1799), who also edited *Syst. arr. Brit. pl.* eds. 4-7; see Desmond p. 671.
*1*: 1822, portr., p. [i]-vii, chart, [1]-496.
*2*: 1822, p. [i]-iv, [1]-503.
*Copy*: HH.

**Witte, [Bror Otto] Hernfrid** (1877-1945), Swedish agricultural botanist; Dr. phil. Uppsala 1906; with the Svalöv seed experiment station 1907-1921, with the Swedish "mosskulturföreningen" in Jönköping 1921-1925; with the Swedish State Seed Testing Station, Stocksund 1925-1944. (*Her. Witte*).

HERBARIUM and TYPES: GB; further material in C.
*Exsiccatae*: (*1*) *Vallväxtherbarium*, Svalöv, ed. 1 (1909), ed. 2 (1910), 35 species (see KR p. 770, no. 23).
(2) *Viktigare svenska vallväxter*, Svalöv 1909, nos. 1-35, set at GB; ed. 2, 1910.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 510; BL 2: 733 [index]; BM 5: 2344; Bossert p. 440; GR p. 504; Hirsch p. 327; KR p. 769-770 (b. 13 Jul 1877); LS 40658-40659; Nordstedt suppl. p. 17; TL-2/9750; Tucker 1: 751.

BIOFILE: Anon., Bot. Not. 1901: 209 (stipend), 1933: 65 (portr. in group); Generalreg. Bot. Not. 1839-1938, 81. 1939; Hvar-8-Dag, Göteborg 26: 529-530. 1925 (portr., autobiogr.).

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K.A., *in* Nordisk familjebok 20: 666-667. 1934.
Lindman, S., Sv. män kvinn. 8: 415-416. 1955 (d. 30 Aug 1945, obit., portr.).
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COMPOSITE WORKS: Tilläg till Rudberg, *Växtförteckning öfver Västergötland* 1902, see TL-2/9750.

**18.083.** *Ueber abweichende Zahlenverhältnisse* und einige andere Anomalien *der Blüten der Campanula rotundifolia* L. ... Arkiv för Botanik 1905. Oct. (*Zahlenverh. Camp. rotund.*).
*Publ.*: shortly after 5 Jul 1905 (date of printing on p. 8), p. [1]-8. *Copies*: G, U; IDC 8562 (27). – Issued as Ark. Bot. 4(17). 1905.

**18.084.** *Stratiotes aloides* L. Funnen i Sveriges postglaciala aflagringar ... [Stockholm 1905]. Oct.
*Publ.*: 1905, cover-t.p., p. [432]-451. *Copy*: B. – Reprinted and to be cited from Geol. För. Förh. 27: 432-451. 1905.

**18.085.** *De svenska alfvarväxterne* ... Arkiv för Botanik ... 1906. Oct. (*Sv. alfvarväxt.*).
*Publ.*: shortly after 14 Feb 1906 (date of printing on p. 94; Nat. Nov. Mai(1) 1906; Bot. Not. 15 Sep 1906), p. [1]-94, *pl. 1-10*. *Copies*: B, G, H, U; IDC 8562 (32-33). – Issued as Ark. Bot. 5(8). 1906.

**18.086.** *Till de svenska alfvarväxternas ekologi.* Akademisk Afhandling som med tillstand af vidtberömda filosofiska Fakultetens i Upsala matematisk-naturwetenskapliga sektion för vinnande af filosofie doktorsgrad till offentlig granskning framställes å botaniska lärosalen onsdagen den 23 Maj 1906 kl. 10 f.m. ... Uppsala (Almqvist & Wiksells Boktryckeri-A.-B.) 1906. Oct. (*Sv. alfvarväxt. ekol.*).
*Thesis ed.*: 1-23 Mai 1906, p. [i], [1]-119. *Copies*: H, HH, NY.
*Commercial ed.*: 1906, p. [i], [1]-119. *Copies*: B, G, Peterson. – Till de svenska alfvarväxternas ekologi. Akademisk afhandling af Hernfrid Witte. Uppsala (id.) 1906. Oct.
*Ref.*: Grevillius (Kempen a. Rh.), Bot. Centralbl. 104: 264-269. 1907 (rev.).

**Witte, Eduard Theodoor** (1865-1936), Dutch gardener, curator at the Leiden Botanical Garden 1898-1930; editor of the Maandschrift der Nederlandsche Maatschappij voor Tuinbouw en Plantkunde; son of Heinrich Witte. (*E. Witte*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 510; JW 1: 451, 2: 204 (b. 27 Oct 1865, d. 29 Mar 1935, err. for 1936).

BIOFILE: Anon., Algemeen Handelsblad 30 Mar 1923 (25 years head curator Leiden); Nieuwe Rotterdammer Courant 2 Apr 1936 (obit., funeral orations).
Mater, J., Weekbl. K. Ned. Maatsch. Tuinb. Plantk. 10: 135-137. 1936 (obit., portr.).
Mensing, J., Weekbl. K. Ned. Maatsch. Tuinb. Plantk. 10: 137. 1936 (obit.).
Veendorp, H. & L.G.M. Baas-Becking, Hortus acad. lugd.-bat. 1587-1937, 164, 167, 172, 175, 177. 1938.
Verdoorn, F., ed., Chron. bot. 2: 53. 1936.
Vuyck, L., Afscheid en welkom, Leiden 1898, 20 p. (reprinted from Sempervirens 27(14): 145-151. 1898).

NOTE: Witte published several popular books on house and garden plants, usually based on German originals, such as *Handleiding tot het kweeken van planten in huis*, Zwolle 1896, x, 283 p. (based on L.H. Riese, *Wohnungsgärtnerei*); *Kamerplanten*, Leiden [1896-] 1897 [in 6 Lieferungen], viii, 510 p. (based on Hesdörffer, *Handbuch der praktischen Zimmergärtnerei*), id. ed. 2, 1909, ix, 420 p., and *Een keur van vaste planten*, Leiden 1900, 114 p., *48 pl.* (based on Hesdörffer, *Die schönsten Stauden*, Berlin 1900).

**18.087.** *Enumeratio Bromeliacearum*, quae in Horto lugduno-batavo coluntur, additis synonymis plerumque usitatis. (Composuit Ed. Theod. Witte). Leiden (A.W. Sijthoff) [1889]. Oct. (*Enum. Bromel.*).
*Ed.* [*1*]: 1889 (p. 24: Jan 1889), p. [1]-24. *Copies*: B, G.
*Ed. 2*: 1 Jan 1894, p. [i-iv], [1]-68. *Copies*: NY, U. – Issued with the title *Catalogue des Broméliacées* cultivées au Jardin botanique de l'Université à Leide (2e édition, revue et augmentée) ... Leiden (Imprimerie de A.W. Sijthoff) 1894. Oct. (*Cat. Bromél. ed. 2*). – Preface by W.F.R. Suringar.

**18.088.** *Hybrides de Broméliacées* cultivés en Europe ... Leide [Leiden] 1894. Oct. (*Hybr. Bromél.*).
*Publ.*: Jan 1894, p. [1]-11. *Copies*: B, U.

**Witte, Heinrich** (1825-1917), Dutch gardener; student gardener in the Hortus botanicus Rotterdam; subsequently assistant curator at the Leiden botanical garden; head-curator ib. 1855-1898. (*Witte*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 510; BM 5: 2344; Herder p. 149, 152; Hortus 3: 1207; Jackson p. 48, 51, 52, 55, 86, 147, 324; JW 1: 451, 2: 204, 3: 376; Morren ed. 2, p. 28, ed. 10, p. 91; MW p. 533; NI 2174-2175; Plesch p. 462; PR 10365-10367; Rehder 5: 928; Sotheby 821; TL-2/11.960; Tucker 1: 751.

BIOFILE: Anon., Gard. Chron. ser. 3. 18: 429. 1895 (jubilee), ser. 3. 61: 67. 1917 (obit. not.); Gartenflora 44: 552, 574-575. 1895 (40 years "hortulanus").
L., v., Onze Tuinen 11(31): 371-374. 1917 (obit., list publ., portr.).
Verdoorn, F., ed., Chron. bot. 2: 29, 272. 1936, 5: 512. 1939.
Vuyck, L., Afscheid en welkom, Leiden 1898, 20 p. (reprinted from Sempervirens 27(14): 145-151. 1898, portr.).
Witte, E.Th., Jaarb. Gesch. Oudheidk. Leiden Rijnland 15: xli-liv. 1918 (obit., b. 10 Mai 1829, d. 9 Jan 1917).

COMPOSITE WORKS: (1) Editor of the Dutch horticultural journals *Sempervirens* (1872-1875, 1884-1897), *Nederlandsch Tuinbouwblad Sempervirens* (1897-1905), *Sieboldia* (1875-1884).
(2) Collaborator, C.A.J.A. Oudemans, *Neerl. pl.-tuin* 1865-1867, TL-2/7148.
(3) Translated C.J. Petzold, *Die Rose*, ihre Geschichte, 1874 into Dutch : *De Roos*, hare geschiedenis, ... Leiden, E.J. Brill, 1877, 86 p.

NOTE: Witte was a successful and prolific popularizer of botany and horticulture; a list of 47 titles of books and brochures is given in *Onze Tuinen* 20 Jan 1917; he also published several novels and travelogues and published widely in daily journals and periodicals.

**18.089.** *Enumeratio alphabetica nominum systematicorum et synonymorum palmarum*, quae in Belgii septentrionalis hortis diversis, tam publicis quam privatis, coluntur ... Lugduni-batavorum (apud A.W. Sijthoff) 1859. Qu. (*Enum. palm.*).
*Publ.*: 1859, cover-t.p., p. [1]-47 (printed on one side of each leaf). *Copies*: BR, U. – Also published, anonymously, in Ann. Hort. Bot., Fl. Jardins Pays Bas 3: 9-16, 25-32, 41-48, 57-64, 73-80, 89-95. 1860.

**18.090.** *Flora.* Afbeeldingen en beschrijvingen van boomen, heesters, éénjarige planten, enz., voorkomende in de Nederlandsche tuinen, ... Groningen (J.B. Wolters) [1868]. Qu. (in 2-s). (*Flora*).
*Artist*: Abraham Jacobus Wendel (1826-1915).
*Publ.*: 1868 (p. x: 19 Oct 1868), p. [i*-ii*], *pl. 80* (frontisp.), [i]-x, [1]-316, [i]-vii, *pl. 1-79* [frontisp. numbered *80* in index] (chromoliths.). *Copies*: HH, Mennega, NY.

**18.091.** *De plant*, ... Groningen (J.B. Wolters) 1869. Oct. (*Plant*).
*Ed. 1*: 1869 (p. vi: 20 Oct 1868), p. [i]-viii, [1]-404. *Copy*: FAS.
*Ed. 2*: Apr 1883 (Bot. Zeit. 29 Jun 1883; Bot. Centralbl. 18-22 Jun 1883; Nat. Nov.

Mai(2) 1883), p. [i]-xii, [1]-320. *Copy*: BR. – *De plant.* Proeve eener populaire botanie door H. Witte ... 2e uitgave herzien door Ernest Burvenich ... Gent (Algemeene Boekhandel van Ad. Hoste, ...) 1883. Oct.

**18.092.** *Schetsen uit het plantenrijk* ... Haarlem (A.C. Kruseman) 1870. Oct. (*Schets. plantenr.*).
*Publ.*: 1870, p. [i-ii], frontisp., p. [iii]-xvi, [1]-526. *40 pl.* (uncol. liths.). *Copy*: HH.

**18.093.** *De Victoria regia* ... Leiden (A.W. Sijthoff) 1876. Oct. (*Victoria regia*).
*Publ.*: 1876, p. [i, iii], [1]-40. *Copies*: HH, L, U.

**18.094.** *Wilde rozen*, ... Leiden (E.J. Brill) [1888]. Oct. (*Wilde rozen*).
*Publ.*: 1888 (p. v: 18 Nov 1888), portr., p. [i-v], [1]-344, [345]. *Copies*: HH, MO.

**Wittmack, [Marx Carl] Ludwig** (1839-1929), German (Hamburg) botanist; studied natural sciences at Jena 1864-1865, and Berlin 1865-1867; Dr. phil. Göttingen 1867; in charge of the setting up of a new Agricultural Museum in Berlin 1867-1871, curator of this museum 1871; assistant teacher at the Berlin Agricultural Institute 1874; extraordinary professor at Berlin University 1880-1913; ordinary professor at the new Agricultural University 1881-1913; scientific director of the botany dept. of the Agricultural Museum 1881; rector of the Agricultural University 1889-1891; Geh. Regierungsrat 1891. (*Wittm.*).

HERBARIUM and TYPES: B (mainly destr.). – *Letters* at FH, G, UPS-UB. – Seed collection offered from estate in Herbarium 83: 359. 1930.

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(7) Editor, *Garten-Zeitung* 1-4, 1882-1885.
(8) *Landwirthschaftliche Kulturpflanzen*, *in* G.B. von Neumayer, *Anleit. Wiss. Beobacht. Reisen*, ed. 2. 1888, and ed. 3. 1906, TL-2/6761.
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**18.095.** *Musa Ensete*. Ein Beitrag zur Kenntniss der Bananen. Inaugural-Dissertation zur Erlangung der philosophischen Doctorwürde in Göttingen ... Halle (Gebauer-Schwetschkesche Buchdruckerei) 1867. Oct. (*Musa Ensete*).
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**18.097.** *Zur Geschichte der Begonien* ... [Tiré du Bulletin du Congrès international de botanique et d'horticulture à St. Pétersbourg 1884]. Oct.
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**18.099.** *Règles à suivre pour la nomenclature* des plantes en général, et des Orchidées en particulier (5[e] question au Congrès de 1887). Extr. du Journal de la Société nationale d'Horticulture de France ... 1887. Oct.
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**18.100.** *Plantae Lehmannianae* in Guatemala, Costarica, Columbia, Ecuador etc. collectae. *Bromeliaceae* ... [Separat-Abdruck aus Engler's botanischen Jahrbüchern ... 1889]. Oct.
*Collector*: Friedrich Carl Lehmann (1850-1903).
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**18.101.** *Die von Bernouilli und Cario* 1866-1878 in Guatemala *gesammelten Bromeliaceen* ... Beiblatt zu den Botanischen Jahrbücher ... 1891. Oct.
*Publ.*: 1 Dec 1891, cover, p. [1]-8. *Copy*: B. – Issued as and to be cited from Bot. Jahrb. 14(4), Beibl. 32: [1]-8. 1891.

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**18.103.** *Studien über die Stammpflanze der Kartoffel* ... Berlin (Gebrüder Borntraeger) 1909. Oct.
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**18.104.** *Landwirtschaft und Botanik im Zeitalter Friedrichs des Grossen.* Rede zur Feier des Geburtstages Sr. Majestät des Kaisers und Königs Wilhelm II und der 200. Wiederkehr des Geburtstages Friedrichs des Grossen ... Berlin (Verlagsbuchhandlung Paul Parey ...) 1912. Oct. (*Landwirtsch. Bot. Friedr. d. Gr.*).
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**18.106.** *Botanik und Kultur der Baumwolle* ... Berlin (Verlag von Julius Springer) 1928. Oct. (*Bot. Kult. Baumwolle*).
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**Wittrock, Veit Brecher** (1839-1914), Swedish botanist; studied at the University of Uppsala 1857-1865; Dr. phil. and lecturer ib. 1886; high school teacher at a private school in Uppsala 1865-1878, extraordinary professor of botany Uppsala 1878; professor and curator of the botanical collections at the Stockholm Riksmuseum 1879-1904, also

"Professor Bergianus" and director of the Bergianska trädgårdsskolan 1879-1914; also botany teacher at Stockholms högskola 1879-1883. (*Wittr.*).

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EPONYMY: *Wittrockia* C.A.M. Lindman (1891); *Wittrockiella* Wille (1909).

**18.107.** *Försök till en monograph öfver algslägtet Monostroma.* Med tyra taflor. Academisk afhandling, som med samtycke af vidtdberömda Philosophiska Faculteten i Uppsala, för philosophiska gradens erhållande, till offentlig granskning framställes at Veit Brecher Wittrock, ... & Botaniska lärosalen den 23 Maj 1866 p. v.t.f.m. ... [Stockholm (tryckt hos J. & A. Riis) 1866]. Oct. (*Förs. monogr. Monostroma*).
*Publ.*: 23 Mai 1866, p. [1]-66, *pl. 1-4*, chart. *Copies*: BR, FH, H, MO, NSUB, NY, US(2); IDC 6426.

**18.108.** *Algologiska studier* I och II. Med tvenne taflor. Afhandling, som jemte theser med högvördiga domkapitlets i Westerås tillstånd till offentlig granskning framställes af Veit Brecher Wittrock ... den 11 November 1867 kl. 10 f.m. Uppsala (Edquist & Berglund) 1867. Oct. (*Alg. stud.*).
*Thesis ed.*: 11 Nov 1867, p. [i], [1]-52 (p. 47-52: theses), *pl. 1-2. Copy*: FH.
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**18.109.** *Om fanerogam- och thallogam-vegetationen i Skandinaviens Ilex-Region* ... Upsala (Akademiska Boktryckeriet ...) 1869. Oct.
*Publ.*: 1869 (date on t.p. reprint; journal issue, however, dated 1868), cover-t.p., p. [149]-175. *Copies*: B, H. – Reprinted and to be cited from Bot. Not. 1868(4): 149-175.

**18.110.** *Bidrag till kännedomen om Sveriges Zygnemaceer* och Mesocarpaceer ... Aftryck ur Botaniska Notiser för 1868. Oct.
*Publ.*: 1869 (date reprint; journal issue, however, dated 1868), p. [187]-190. *Copy*: B. – Reprinted and to be cited from 1868(4): 187-190.

**18.111.** *Anteckningar om Skandinaviens Desmidiacéer* ... Upsala (W. Schultz' Boktryckeri) 1869. Qu. (*Anteckn. Skand. Desmid.*).
*Publ.*: 1869 (read 14 Nov 1868; Bot. Zeit. 10 Sep 1869), p. [i], [1]-28, *1 pl. Copies*: BR, FH, H, M, US. – Issued as Nova Acta reg. Soc. Sci. upsal., ser. 3. 7(1)(paper no. 3). 1869.

**18.112.** *Dispositio Oedogoniacearum suecicarum* ... Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlinger 1870. Oct.
*Publ.*: 1870 (read 9 Mar 1870; Bot. Zeit. 18 Nov 1870), p. 119-144, *pl. 1. Copies*: FH, H, US. – Reprinted and to be cited from Öfvers. K. Vet.-Akad. Förh. 1870(3): 119-144. *pl. 1.*

**18.113.** *Oedogoniaceae novae*, in Suecia lectae, ... Aftryck ur Botaniska Notiser 1872. Oct.
*Publ.*: 15 Feb 1872 (in journal), p. [1]-8, *pl. 1. Copies*: FH, Peterson. – Reprinted and to be cited from Bot. Not. 1872(1): [1]-8, *pl. 1.*

**18.114.** *Om Gotlands och Ölands sötvattens-alger* ... Stockholm (P.A. Norstedt & Söner ...) 1872. Oct. (*Gotl. Ölands sötv.-alg.*).
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*Ref.*: Magnus, P., Bot. Zeit. 31: 163-165. 1873 (rev.).

**18.115.** *Prodromus monographiae Oedogoniearum* ... Upsaliae (excudit Ed. Berling ...) 1874. Qu. (in 2-s). (*Prodr. monogr. Oedog.*).
*Publ.*: Feb-Apr 1874 (read 6 Dec 1873; J. Bot. Nov 1874; Bot. Zeit. 22 Mai 1874; J. Bot. Jul 1874; Hedwigia Jun 1874), p. [i], [1]-64, *pl. 1* (uncol. lith.). *Copies*: BR, FH, H, NY, US. – Issued as Nov. Act. R. Soc. Upsal. ser. 3. 9, fasc. 1. Author's copies have "(Ex Actor. Reg. Soc. ...)" on t.p. instead of "(Reg. Societati ... traditum die 6 Dec 1873)".
*Ref.*: Archer, Wm., J. Bot. 12: 371-376. 1874 (rev.).

**18.116.** *Algae aquae dulcis exsiccatae* praecipue Scandinavicae, quas adjectis algis marinis chlorophyllaceis et phycochromaceis ... fasciculus 1 ... Upsaliae [Uppsala] (Excudit Ed. Berling ...) 1877. Oct. (*Alg. aquae dulc. exs.*)

*Authorship*: Wittrock senior author; Carl Fredrik Otto Nordstedt (1838-1924) and (fasc. 26-34): Gustaf Lagerheim (1860-1926) and many collaborators.

*Publ.*: 1877-1903, 35 fascicles of text and (1-20, 22-34) of specimens of algae. For sets see above under *Exsiccatae*; *copies* (of text): B, G, GOET, H, NY, US, USDA. Total number of copies issued: 50.

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*3*: 28 Feb 1878, p. [1-2], exs. nos. 101-150. – Bot. Not. 1878: 67-93.
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*24*: 12 Sep 1893, p. [1-2], exs. nos. 1101-1150. – Id.
*25*: 12 Sep 1893, p. [1-2], exs. nso. 1151-1200. – Id.
*26*: 30 Dec 1896, p. [1-2], exs. nos. 1201-1250. – Third author: G. Lagerheim (through *35*).
*27*: 30 Dec 1896, p. [1-2], exs. nos. 1251-1300. – Bot. Not. 1897: 75-94.
*28*: 30 Dec 1896, p. [1-2], exs. nos. 1301-1350. – Id.
*29*: 30 Dec 1896, p.[1-2], exs. nos. 1351-1400. – Id.
*30*: 10 Mai 1903, p.[1-2], exs. nos. 1401-1450. – Bot. Not. 1903: 133-141.
*31*: 10 Mai 1903, p. [1-2], exs. nos. 1451-1500. – Id.
*32*: 10 Mai 1903, p. [1-2], exs. nos. 1501-1550. – Id.
*33*: 10 Mai 1903, p. [1-2], exs. nos. 1551-1600. – Id.
*34*: 10 Mai 1903, p. [1-2], exs. nos 1601-1612. – Id.
*35*: 10 Jun 1903, p. [i-iv], [1]-42. – *Descriptiones systematicae dispositae* et index generalis fasciculorum 30-34. Text only.

*Imprints*: *1-6*: Upsaliae (Excudit Ed. Berling ...)
*7-8*: Lundae (Excudit Fr. Berling ...).
*9-10*: Holmiae [Stockholm] (Excuderunt P.A. Norstedt & filii).
*11-12*: Holmiae (Central-Tryckeriet).
*13-20*, *22-29*: Stockholmiae (Excudit Isac Marcus' ...).
*21*: Stockholmiae (Excudit O.L. Svanbäcks Boktryckeri-Aktiebolag).
*30-35*: Lundae (typis Berlingianis).

*Descriptions new taxa*: Bot. Not. 1877: 21-26; 1878: 67-73; 1879: 20-27; 1880: 113-122; 1882: 57-61; 1883: 147-152; 1884: 122-128; 1886: 130-139; 1889: 160-168; 1893: 185-200; 1897: 75-94; 1903: 133-141.

*References to reviews*: G. Sayre, Mem. New York Bot. Gard. 19(1): 105-106. 1969.

**18.117.** *On the development and systematic arrangement of the Pithophoraceae* a new order of algae, ... Upsala (printed by Ed. Berling) 1877. Qu. (*Devel. syst. arr. Pithoph.*).
*Publ.*: Jan-Mar 1877 (read 13 Mai 1876; Bot. Zeit. 27 Apr 1877; J. Bot. Jun 1877), p. [i], [1]-80, *pl. 1-6* (uncol. liths.). *Copies*: BR, FH, H, NY, US. – Issued as part of Nov. Act. R. Soc. Sci. Upsaliensis ser. 3, vol. extraord. 1877. – See also *Pithophora microspora* Withr. [sic] in Bol. Soc. Brot. 3: 132. 1885.
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**18.118.** *On the spore-formation of the Mesocarpeae* and especially of the new genus Gonatonema ... Stockholm (P.A. Norstedt & Söner ...) 1878. Oct. (*Spore-form. Mesocarpeae*).
*Publ.*: 1878 (read 12 Dec 1877), p. [1]-18, *1 pl. Copies*: FH, H, U, US; IDC 7670 (54-55). – Issued as Bih. Sv. Vet. Akad. Handl. 5(5): 1878.

**18.119.** *Oedogonieae americanae*, hucusque cognitae ... Botaniska Notiser ... 1878. Oct.
*Publ.*: 1 Nov 1878, Bot. Not. 1878(5): 133-145. 1 Nov 1878.

**18.120.** *Om Linnaea borealis* L. En jemnförande biologisk, morfologisk och anatomisk undersökning ... (Aftryck ur Botanica Notiser 1878 [1879]. Oct.
*Publ.*: 15 Feb 1878-3 Nov 1879 (in journal), p. [1]-65. *Copies*: B, H, HH. – Reprinted and to be cited from Bot. Not. 1878: 17-32. 15 Feb, 49-54. 1 Apr, 83-96. 15 Mai, 122-127. 15 Sep 1878; 1879: 9-20. 15 Jan, 137-150. 3 Nov 1879.

**18.121.** *Om Snöns och Isens flora*, säskildt i de arktiska trakterna ... Stockholm (Central-Tryckeriet) 1883. Oct.
*Publ.*: 1883 (Grevillea Sep 1883; Bot. Centralbl. 10-14 Dec 1883; Nat. Nov. Nov(2) 1883), p. [i, special reprint-t.p. with above imprint], 65-124, *pl. 3-7. Copies*: B, FH, G, H, HH, NY, US. – Reprinted and to be cited from A.E. Nordenskiöld, *Studier och Forskningar* föranledda af mina resor i hög Norden p. [63, half-title] -124,*pl. 3-7*.
*German*: 1885, in A.E. Nordenskiöld, *Studien und Forschungen* 65-119, *3 pl.* 1885.
*Abbreviated notices*: Bot. Not. 1883: 76-79; Bot. Centralbl. 14: 158-159. 1883; Naturen 1884: 69-74; Nature 30: 638-640. 1884.

**18.122.** *Om Binuclearia* ett nytt Confervacé-Slägte ... Stockholm (Kongl. Boktryckeriet P.A. Norstedt & Söner) 1886. Oct. (*Binuclearia*).
*Publ.*: 1886 (read 10 Feb 1886), p. [1]-10, [11], *1 pl.* (uncol. lith. author and Wille). *Copies*: FH, H, U, US; IDC 7670 (172). – Bih. K. Sv. vet.-akad. Handl. 12(3), no. 1. – German summary: Bot. Centralbl. 29: 60-63, 89-92. 1887.

**18.123.** *Skandinaviens Gymnospermer* ... Stockholm (Ivar Haeggströms Boktryckeri) 1887. Oct. (*Skand. Gymnosp.*).
*Publ.*: 1887 (date cover-t.p.), cover-t.p., p. [31]-37. *Copies*: B, H, HH. – Preprinted from C.J. Hartman (ed. Th. O.B.N. Krok), *Handb. Skand. fl.* ed. 12, p. 31-37. 1889, see TL-2/2426.

**18.124.** *Några bidrag till Bergianska Stiftelsens historia* ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1890. Qu. (*Några bidr. Berg. Stift.*).
*Publ.*: 1890, p. [i], frontisp., [3]-31, *map 1-2. Copies*: BR, U; IDC 8555. – Issued as Acta Horti Berg. 1(1). 1890. – For a note by Wittrock on the herbarium at SBT see Bot. Not. 1891: 121-124 and Bot. Centralbl. 47: 231-233. 1891; a description of the Bergianska garden is given by Wittrock in Acta Horti Berg. 1(2). 1891, 22 p., *5 pl.* (Om planen för Bergielunds botaniska Trädgård). – For a catalogue see below.

**18.125.** *Catalogus plantarum* perennium bienniamque in *Horto botanico Bergiano* annis 1890 et 1891 sub dio cultarum adjectis adnotationibus botanicis nonnullis ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1891. Qu. (*Cat. pl. Hort. Berg.*).
*Co-author*: Hans Oscar Juel (1863-1931).
*Publ.*: Sep 1891 (p. iv: Sep 1891; Bot. Centralbl. 7 Oct 1891; Nat. Nov. Oct(2) 1891), p. [i]-x, [1]-95, *pl. 3. Copies*: BR, G, H, HH, U, US; IDC 8555. – Issued as Acta Horti Berg. 1(3). 1891.

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**18.126.** De Linaria Reverchonii observationes morphologicae et biologicae. *Linaria Reverchonii* nov. sp. dess morfologi och lefnadshistoria ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1891. Qu. (*Linaria Reverch.*).
*Publ.*: 1891 (Nat. Nov. Dec(2) 1891), p. [1]-14, *1 pl.* (p.p. col.). *Copies*: B, BR, FI, G, H; IDC 8555. – Issued as Acta Horti Berg. 1(4). 1891.

**18.127.** *De Filicibus observationes biologicae.* Biologiska ormbunkstudier ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1891. Qu. (*Fil. observ. biol.*).
*Publ.*: 1891 (Nat. Nov. Dec(2) 1891), p. [1]-58, *pl. 1-5* (1-2 monochrome, 3-5 col. liths. by A. Ekblom). *Copies*: BR, G, H, NY, U; IDC 8555. – Issued as Acta Horti Berg. 1(8). 1891.

**18.128.** *Ueber die höhere epiphytische Vegetation in Schweden. Om den högre epifyt-vegetationen* i Sverige ... Stockholm (Isaac Marcus' Boktryckeri-Aktiebolag) 1894. Qu. (*Högre epif.-veg.*).
*Publ.*: 22-31 Mar 1894 (p. 29: printed 22 Mar 1894), p. [1]-29. *Copies*: B, BR, G, H, M, U; IDC 8555. – Issued as Acta Horti Berg. 2(6). 1894.

**18.129.** *Viola-studier II.* A contribution to the history of the Pansies having special reference to their origin. Bidrag till de odlade Penséernas historia med särskild hänsyn till deras härkomst ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1895. [i.e. 1896]. Qu. (*Viola-Stud. II*).
*Publ.*: 12-30 Mai 1896 (p. 78: printing finished 12 Mai 1896; t.p. 1895; Nat. Nov. Oct(1) 1896), p. [1]-78, chart. *Copies*: B, BR, G, H, Peterson, U; IDC 8555. – Issued as Acta Horti Berg. 2(7). 1895.

**18.130.** *Viola-studier I.* De Viola tricolore (L.) aliisque speciebus sectionis Melanii observationes morphologicae, biologicae, systematicae. Morfologisk-biologiska och systematiska studier öfver Viola tricolor (L.) och hennes närmare anfördvandter ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1897. Qu. (*Viola-stud. I*).
*Publ.*: 10-30 Mai 1897 (p. 142: printed 10 Mai 1897; ÖbZ Jun 1897; Nat. Nov. Jul(1, 2) 1897), p. [1]-142, *pl. 1-14* (p.p. col. liths. A. & Th. Ekblom). *Copies*: B, BR, G, H, NY, U; IDC 8555. – Issued as Acta Horti Berg. 2(1). 1897.
*Ref.*: E.G.B., J. Bot. 35: 454-458. 1897 (rev.).

**18.131.** Illustrerad förteckning öfver Bergielunds Botaniska Trädgårds samling porträtt af botaniska författare; jämte biografiska notiser. *Catalogus illustratus iconothecae botanicae* horti bergiani stockholmiensis anno 1903; notulis biographicis adjectis ... Stockholm (Isaac Marcus' Boktryckeri-Aktiebolag) 1903. Qu. (*Cat. iconoth. bot.*).
[*1*]: 1903 (Bot. Zeit. 1 Dec 1903; Nat. Nov. Nov(1, 2) 1903), p. [i], [1]-198, *pl. 1, 1a, 1b, 2, 2a, 2b, 2c, 3, 3*, 3**, 3a, 3b, 4-37.* – Issued as Acta Horti Bergiani 3(2).
[*2*]: 1905, p. [i]-xciii, [1]-245, *pl. 1-100, 100*[*bis*], *101-150.* – Issued as Acta Horti Bergiani 3(3). 1905.
*Copies*: B, BR, G, H, HH, MO, NY, U; IDC 8555 (11-21).
*Botanisk-historiska fragment*: 1906 (t.p. reprint), cover-t.p., p. [xvii]-xciii. *Copy*: NY. – Reprinted from *Cat. iconoth. bot.* 2: [xvii]-xciii. 1905.

**18.132.** *Några ord om Linné* och hans betydelse för den botaniska vetenskapen ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1907. Qu. (*Linné*).
*Publ.*: 22-31 Mai 1907 (p. 32: printed 22 Mai 1907), p. [1]-32, *pl. 1-3. Copies*: B, BR, G, H, HH, U; IDC 8555. – Issued as Acta Horti Berg. 4(1). 1907.

**18.133.** *Linnaea borealis* L. species polymorpha et polychroma. Linnaea borealis L. en mångformig art ... Stockholm (Isaac Marcus' Boktr.-Aktiebolag) 1907. Qu. (*Linnaea borealis*).

*Publ.*: 18-30 Mai 1907 (p. 187: date of printing 18 Mai 1907; Nat. Nov. Aug(1) 1907; Bot. Not. 14 Sep 1907), p. [1]-187, *pl. 1-13* (*5-12* col. liths. A. & Th. Ekblom). *Copies*: B, BR, G, H, HH, U; IDC 8555. –Issued as Acta Horti Berg. 4(7). 1907.

**18.134.** *Om Cuscuta europaea* L. och hennes värdväxter .... Särtryck ur Svensk botanisk Tidskrift 1909. Oct.
*Publ.*: 17 Apr 1909 (in journal), cover-t.p., p. [1]-17. *Copies*: B, H. – Reprinted and to be cited from Sv. bot. Tidskr. 3(1): 1-17. 1909.

**18.135.** De *Picea excelsa* (Lam.) Lk. Praesertim de formis suecicis hujus arboris pars I ... Meddelanden om Granen särskildt hennes Svenska former, i bild och skrift ... Stockholm (Isaac Marcus' Boktryckeri-Aktiebolag) 1914. Qu. (*Picea excelsa*).
*Publ.*: 15-30 Jun 1914 (p. [92]: printed 15 Jun 1914; Nat. Nov Dec(1, 2) 1914; Bot. Not. 16 Feb 1915), p. [i]-ix, *pl. 1a, 1b, 1c, 1d, 2, 2(2), 3, 3(2), 4-23, 1-91*, [*92*] (*pl. 3(2)-10* col. liths. A. & Th. Ekblom). *Copies*: B, BR, NY, U; IDC 8555. – Issued as Acta Horti Berg. 5(1). 1914.

**18.136.** *Anieckningar om Nordiska namn* (svenska, norska, danska, färöiska, isländska, finska och lapska) på *Stellaria media* (L.) Cyr. ... Stockholm (Isaac Marcus' Boktryckeri-Aktiebolag) 1918. Qu.
*Editor*: posthumously published by Klas Robert Elias Fries (1876-1966).
*Publ.*: 1918 (p. 6: Nov 1917), p. [1]-39, [40]. *Copies*: B, BR, H, U; IDC 8555. – Issued as Acta Horti Berg. 6(2). 1918.
*Preliminary publ.*: 1908: Om jordens allmännast utbredda fanerogam, sveriges ymnigast vinterblommande och mest namnrika växt, Våtorf, *Stellaria media* ... Uppsala (Almqvist & Wiksells Boktryckeri-A.-B.) 1908, cover-t.p., p. [1]-16. *Copy*: B. – Reprinted and to be cited from Sv. Vet.-Akad. Årsb. 1908: 221-236.

**Wittstein, Georg Christian** (1810-1887), German (Hannover) pharmacist; studied pharmacy in various Hannoverian pharmacies; student, later assistant at the Pharmaceutical Institute, Univ. München 1835-1850; Dr. phil. München 1840; teacher at a technical school in Ansbach 1851-1853; in charge of a private school for chemistry in München 1853-1879. (*Wittst.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 377 ("der sonst so häufig die Lücken seines Wissens durch Hypothesen ausfüllt ..."), 5(2): 561; Barnhart 3: 511 (b. 25 Jun 1810, d. 1 Jun 1887); BFM 2372; BM 5: 2345; CSP 6: 6406-407, 8: 1257-1258, 11: 834-835, 12: 789-790, 19: 680; GR p. 180; Herder p. 89, 127; Jackson p. 106, 107, 493; LS 29193-29194; PR 10372; Rehder 5: 929; Tucker 1: 751, 2: xli.

BIOFILE: Anon., Amer. J. Pharm. 59: 383. 1887 (obit.); Bot. Centralbl. 31: 327. 1887 (d.); Bot. Not. 1888: 46 (d.); Bot. Zeit. 45: 527. 1887 (d.); Brit. Mus. gen. cat. print. books 259: 949-950. 1965; Humboldt 6: 365. 1887 (obit. not.); Leopoldina 23: 114. 1887 (obit. not.); Pharm. J. Trans. ser. 3. 17: 1027. 1887; Tidsskr. Phys. Chem. 9: 287. 1888 (obit. not.).
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Lengyel, I., Termész. Közl. 20: 474. 1888 (obit.).
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Wollny, Ann. Bot., London 1: 415. 1888.
Verdoorn, F., ed., Chron. bot. 2: 373. 1936, 5: 365. 1939.

COMPOSITE WORKS: *Autoren und Sachregister* zu den bis jetzt erschienenen 131 Bänden des *Archivs der Pharmacie*, 1822-1857, Hannover 1859, 724 p.

EPONYMY: *Wittsteinia* F. v. Mueller (1861).

**18.137.** *Etymologisch-botanisches Handwörterbuch.* Enthaltend: die genaue Ableitung und Erklärung der Namen sämmtlicher botanischen Gattungen, Untergattungen und ihrer Synonyme ... Ansbach (Verlag von Carl Junge) 1852. Oct. (*Etym.-bot.-Handw.-Buch*).
*Ed.* [*1*]: 1852-1853, in 2 parts. *Copies*: BM (n.v.), GOET, HH, L, LD, M, NY, US.
[*1*]: Sep 1852 (p. viii: Aug 1852; ÖbW 23 Sep 1852; Flora 14 Sep-21 Oct 1852 (rd. Aug-Sep); Bot. Zeit. 22 Oct 1852), p. [i]-viii, [1]-488.
[*2*]: Dec 1852 (ÖbW 3 Mar 1853; Bot. Zeit. 21 Jan 1853 (as of 1852), p. 489-952.
*Ed. 2*: 1856 (Bot. Zeit. rev. 11 Apr 1856; ÖbW 5 Jun 1856), p. [i]-viii, [1]-952. *Copies*: BR, G, H, HH, LD, U (Biohist.), USDA. – *Etymologisch-botanisches Handwörterbuch* ... Synonyme. Mit zahlreichen biographischen und literarischen Notizen versehen und zum Gebrauche für Botaniker, Pharmazeuten, Naturforscher, Aerzte, Garten- und Blumenfreunde und Freunde der Naturwissenschaften überhaupt bearbeitet und herausgegeben ... Zweite Ausgabe. Erlangen (Verlag von J.J. Palm und Ernst Enke ...) 1856. Oct. – Actually a re-issue of the old sheets with new t.p. and preface signed "München im August 1852" [sic].
*Facsimile repr.* (of 1856 re-issue): 1982, ISBN 3-500-22900-x. *Copy*: NY, p. [i]-viii, [1]-952, new imprint: Sändig Reprint Verlag Hans R. Wohlwend Schaan/Liechtenstein.
*Note* (*1*): The preface matter [i-viii], was set up in new type; the erratum for p. vii is no longer necessary because the error had been corrected. The main text was reproduced from the main text because all mistakes and broken letters in 1852 occur also in 1856.
*Note*(*2*): Wittstein's etymology is often erroneous and the book should be used with the greatest care, see Hugo von Mohl's reviews and comments in Bot. Zeit. (1852-1854) and D.F.L. von Schlechtendal's note on "ed. 2" ib. 12: 268-269. 1856.

**18.138.** *Anleitung zur chemischen Analyse von Pflanzen* und Pflanzentheilen auf ihre organischen Bestandtheile. – Nördlingen (Druck und Verlag der C.A. Beck'schen Buchhandlung) 1868. Oct. (*Anleit. chem. Anal. Pfl.*).
*Publ.*: 1868 (p. vi: Feb 1868; Flora 23 Dec 1868; BSbF 1868 post 5 Aug), p. [i]-viii, [1]-355. *Copy*: G.
*English translation*: 1878 (p. xi: Mai 1878; rev. J. Bot. Aug; rev. Oct 1878; Nat. Nov. Mar(2) 1879), p. [i]-xviii, [1]-332. *Copies*: G, H, HH, LIV, NY, PH. – *The organic constituents of plants* and vegetable substances and their chemical analysis .... authorised translation from the German original, enlarged with numerous additions; by Baron Ferd. von Mueller, ... Melbourne (M'Carron, Bird & Co., ...) 1878. Oct. (*Organ. const. pl.*) (rev.: W.F., J. Bot. 16: 308-309. Oct 1878).

**18.139.** *Handwörterbuch der Pharmakognosie des Pflanzenreichs* ... Breslau (Verlag von Eduard Trewendt) 1882 [1883]. Oct. (*Handw.-Buch Pharmakogn. Pfl.-Reichs*).
*Publ.*: 1882, p. [ii-v], [1]-994. *Copies*: H, M, MO , NY, PH. – Second t.p.: *Encyklopaedie der Naturwissenschaften* ... II. Abtheilung. II. Theil (in 2 parts).
[*1*]: 1882 (Nat. Nov. Nov(2) 1882; Bot. Zeit. 10 Nov 1882), p. [1]-464.
[*2*]: Mai 1883 (preface Mai 1883); Nat. Nov. Jun(2) 1883; Bot. Zeit. 27 Jul 1883), p. 465-994, preface matter.

**Wobst, Karl** [Carl] **August** (1842-1914), German (Saxonian) high school teacher at the Annenschule in Dresden. (*Wobst*).

HERBARIUM and TYPES: Unknown (see Schade 1961); further material at A.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 48; Barnhart 3: 511 (b. 12 Sep 1842); CSP 19: 681; Futak-Domin p. 661; GR p. 155; Herder p. 435; Jackson p. 303; LS 29200; Morren ed. 10, p. 22; Rehder 1: 388, 2: 302; Tucker 1: 752.

BIOFILE: Schade, A., Natura lusatica 5: 25, 31. 1961 (died 1914; herbarium lost?).

COMPOSITE WORKS: Published Christian Friedrich Schulze's manuscript *Flora Dresden und Umgebung*, S.B. Isis, Dresden 1880: 62-77. 1881.

**18.140.** *Veränderungen in der Flora von Dresden* und seiner Umgebung ... in Programm der Annen-Realschule ... Dresden (Druck von B.G. Teubner) 1880. Qu. (*Veränd. Fl. Dresden*).
*Publ.*: Mar 1880, p. [1]-28, in Programm der Annen-Realschule ... zu Dresden 1880, nr. 465 [total pagination: [i], [1-60]. *Copies*: HH, MO.

**Wocke, Erich** (1863-1941), German (Silesian) gardener at Berlin, Zürich and ultimately at Oliva near Danzig; specialist in alpine plants; builder of the alpine garden in the Botanical Garden, Berlin. (*Wocke*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(3) (b. 11 Sep 1763 for 1863); Biol.-Dokum. 19: 10126; BJI 1: 64; Hegi 3: 520; Hortus 3: 1207; Rehder 3: 523, 749; Tucker 3: 339; Zander ed. 10, p. 734, ed. 11, p. 837.

**18.141.** *Die Alpen-Pflanzen* in der Gartenkultur der Tiefländer. Ein Leitfaden für Gärtner und Gartenfreunde ... Berlin (Verlag von Gustav Schmidt ...) 1898. Oct. (*Alpen-Pfl.*).
*Ed.* [*1*]: Jun 1898 (p. ix: Jun 1898; Nat. Nov. Jul(1, 2) 1898; ÖbZ for Sep-Oct 1898; J. Bot. Jul 1899 (rev.); Bot. Zeit. 1 Aug and 16 Sep 1898, rev. 16 Nov 1898; Bot. Monatschr. Oct 1898 (rev.)), p. [i]-xi, [xii, err.], [1]-257, *pl. 1-3*. *Copies*: MO, NY.
*Ed. 2*: Mar-Apr 1928 (p. vi: Autumn 1927; Nat. Nov. Apr 1928), p. [i]-vi, [vii], [1]-326. *Copy*: USDA. – *Die Kulturpraxis der Alpenpflanzen* und ihre Verwendung im Steingarten und Alpinum. Berlin (Verlagsbuchhandlung Paul Parey ...) 1928. Oct.
*Ed. 3*: 1940 (p. [v]: Dec 1939), p. [i-vii], [1]-367. *Copies*: B, LC, USDA. – Dritte, vollständig neubearbeitete Auflage. Berlin (Verlag von Paul Parey ...) 1940. Oct.
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**18.142.** *Illustrirtes Gehölzbuch für Gartenfreunde und Gärtner* ... Frankfurt a.O. (Druck und Verlag der Königlichen Hofbuchdruckerei Trowitzsch & Sohn) 1910. Oct. (*Ill. Gehölzbuch*).
*Ed.* [*1*]: 1910 (preface: Mar 1910; Nat. Nov. Nov(2) 1910), p. [i-vi], [1]-315. *Copy*: B.
*Ed. 2*: 1922 (p. ix: Feb 1922; ÖbZ 22 Oct-23 Feb 1922), p. [i]-xvi, [1]-426. *Copy*: HH. – *Gehölzbuch* ... Zweite, bedeutend erweiterte Auflage ... Frankfurt a.O. (Verlagsanstalt Trowitsch & Sohn, ...) 1922. Oct.

**Wodehouse, Roger Philip** (1889-1978), Canadian botanist, palynologist and allergist; A.B. Univ. Toronto 1913, A.M. Harvard 1916; Dr. phil. Columbia 1927; came to the U.S.A. 1930; naturalized U.S. citizen 1942; protein chemist with J.L. Goodale in Boston 1915-1916; botanist on hayfever and asthma P.B. Brigham Hosp., Boston 1916-1917; director Hayfever Lab., Arlington Chem. Co. Yonkers, N.Y. 1911-1944; id. Lederle Laboratories, Pearl River 1944-1957; on active service in Royal Air Force in World War I. (*Wodehouse*).

HERBARIUM and TYPES: Unknown. – *Letters* at Hunt Institute, Smithsonian Institution and in Verdoorn archives (with FAS).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 511 (b. 9 Dec 1889); BFM 2586; BL 2: 194; Bossert p. 440; Langman p. 809-810; MW p. 534; SIA see indexes; TL-2/12.170, see C.J.F. Skottsberg; Tucker 3: 339.

BIOFILE: Anon., Amer. men sci. eds. 3-11. 1921-1967; Index Amer. bot. lit. 1886-1966. 4: 564-565. 1969 (bibl.); Who's who Amer. 20-32. 1938-1963.
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Lowden, R.M., Taxon, Index pers. names vols. 1-30. 801-802. 1985.
Rickett, H.W., Index Bull. Torrey bot. Club 106. 1955.
Verdoorn, F., ed., Chron. bot. 2: 349. 1936, 3: 313. 1937, 5: 173, 280, 408, 409, 410. 1939, 7: 274. 1943.

COMPOSITE WORKS: (1) Editor, *Bulletin Torrey botanical Club* 65(4)-67(3). 1938-1940.
(2) Collaborator, A.C. Smith, *The American species of Myristicaceae*. 1937 (TL-2/12.170).
(3) Foreword, to G. Erdtman, *An introduction to pollen analysis*. Waltham, Mass. 1954.
(4) Collaborator, H.A. Gleason, *Botanical Results of the Tyler-Duida expedition*, Bull. Torrey bot. Club 58: 277-506. 1931.

DEDICATION: G. Erdtman, *Pollen morphology and plant taxonomy*. Angiosperms, New York 1952, ed. 2. 1966, dedicated to I.W. Bailey, C. Skottsberg, R.P. Wodehouse.

EPONYMY: *Wodehouseia* E.A. Stanley (1961).

**18.143.** *Morphology of pollen grains in relation to plant classification* ... Reprinted .... from Journal of the New York Botanical Garden ... 1926. Oct.
*Publ.*: Jul 1926, p. 145-154. *Copy*: NY. – Reprinted and to be cited from J. New York Bot. Gard. 27: 145-154. 1926.

**18.144.** *Pollen grain morphology in the classification of the Anthemideae* ... New York 1926. Oct.
*Publ.*: 30 Oct 1926, cover-t.p., p. 479-485. *Copy*: U. – Reprinted and to be cited from Bull. Torrey bot. Club 53: 478-485. 1926; Contr. New York Bot. Gard. 285.

**18.145.** *Pollen grains in the identification and classification of plants*. I. The Ambrosiaceae ... Separately printed ... from Bulletin of the Torrey botanical Club ... 1928. Oct.
*1* (*Ambrosiaceae*): 13 Jun 1928, cover-t.p., p. 181-198. *pl. 8.* – Reprinted and to be cited from Bull. Torrey bot. Club 55: 181-198, *pl. 8.* 1928.
*2* (*Barnadesia*): 4 Dec 1928, cover-t.p., p. 449-462, *pl. 13.* – Id. 55: 449-462, *pl. 13.* 1928.
*3* (*Nassauvinae*): 8 Mai 1929, cover-t.p., p. 123-138, *pl. 3.* – Id. 56: 123-138. *pl. 3.* 1929.
*4* (*Mutisieae*): Mai 1929, cover-t.p., p. 297-313, *pl. 23-24.* – Id. Amer. J. Bot. 16(5): 297-313, *pl. 23-24.* 1929.
*5* (*Haplopappus and other Astereae*): 14 Mai 1930, cover-t.p., p. 21-46, *pl. 1.* – Id. Bull. Torrey bot. Club 57: 21-46, *pl. 1.* 1930.
*6* (*Polygonaceae*): Nov 1931, cover-t.p., p. 749-764, *pl. 51.* – Id. Amer. J. Bot. 18(9): 749-764. *pl. 51.* 1931.
*7* (*Ranunculaceae*): Dec 1936, cover-t.p., p. 495-514, *pl. 20.* – Id. Bull. Torrey bot. Club 63: 495-514. *pl. 20.* 1936.
*8* (*Alismataceae*): Oct 1936, cover-t.p., p. 535-537. – Id. Amer. J. Bot. 23(8): 535-539. 1936.
*Copies*: NY, US.

**18.146.** *The phylogenetic value of pollen-grain characters* .... Annals of Botany, ... 1928. Oct.
*Publ.*: Oct 1928, cover-t.p., p. [891]-934, *pl. 20-21*. *Copy*: NY. – Reprinted and to be cited from Ann. Bot. 42: 891-934, *pl. 20-21.* 1928. – Thesis for Dr. phil. Columbia Univ.

**18.147.** *The origin of symmetry patterns of pollen grains* ... Bulletin of the Torrey Botanical Club ... 1929. Oct.
*Publ.*: 7 Nov 1929, cover-t.p., p. 339-350, *pl. 16. Copy*: US. – Reprinted and to be cited from Bull. Torrey bot. Club 56(7): 339-350, *pl. 16.* 7 Nov 1929.

**18.148.** *The origin of the six-furrowed configuration of Dahlia pollen grains* ... Separately printed, ... from Bulletin of the Torrey Botanical Club ... 1931. Oct.
*Publ.*: 20 Jun 1931, cover-t.p., p. 371-390. *pl. 19. Copy*: US. – Reprinted and to be cited from Bull. Torrey bot. Club 57: 371-380, *pl. 19.* 1931.

**18.149.** *Tertiary pollen* -I. Pollen of the living representatives of the Green River flora ... Separately printed, ... from Bulletin of the Torrey botanical Club ... 1932. Oct.

*1*: 15 Jun 1932, cover-t.p., p. 313-340, *pl. 20-22.* – Reprinted and to be cited from Bull. Torrey bot. Club 59: 313-340, *pl. 20-22.* 1932.
*2* (The Oil shales of the Green River formation): 2 Oct 1933, cover-t.p., p. 479-524. – Id. 60: 479-524. 1933.
*Copies*: NY, US.

**18.150.** *Pollen grains* their structure, identification and significance in science and medecine ... New York and London (McGraw-Hill Book Company, Inc.) 1935. Oct. (*Pollen grains*).
*Publ.*: 1935 (p. x: Sep 1935; rev. J. Bot. Mai 1936; Nat. Nov. Feb 1936), p. [i]-xv, 1-574. *Copies*: BR, G, H, HH, MO, NY, PH, U.
*Facsimile repr.*: 1965 (Hafner).

**18.151.** *Evolution of pollen grains* ... Reprinted ... from Botanical Review ... 1936. Oct.
*Publ.*: Feb 1936, p. 67-84. *Copy*: NY. – Reprinted from Bot. Rev. 2: 67-84. 1936.

**18.152.** *Hayfever plants* their appearance, distribution, time of flowering, and their role in hayfever, with special reference to North America ... Waltham, Mass. (published by the Chronica Botanica Company) 1945. Oct. (*Hayfever pl.*).
*Ed.* [*1*]: Apr 1945, p. [i]-xix, [1]-245. *Copies*: HH, PH, U.
*Ed. 2*: 1971, p. [ii]-viii, [ix-xii], [1]-280. *Copies*: BR, FAS, G, HH, NY, U.

**Woenig, Franz** (1851-1899), German (Saxonian) author, poet and high school teacher; studied pedagogics and natural sciences at the University of Leipzig 1874-1877; teacher at Aken a.d. Elbe 1871-1874 and Leipzig 1877-1899. (*Woenig*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 511; BJI 1: 64; BL 1: 31, 324; BM 5: 2347; GR p. 180; Plesch p. 462; Rehder 1: 81-82; Tucker 1: 752.

BIOFILE: Anon., Bot. Centralbl. 78: 32. 1899 (d.); Österr. bot. Z. 49: 119. 1899 (d.).
Brümmer, F., Biogr. Jahrb. deut. Nekrol. 4: 221-222. 1900 (biogr. sketch, bibl., b. 20 Feb 1851, d. 16 Feb 1899).

**18.153.** *Die Pflanzen im alten Aegypten.* Ihre Heimat, Geschichte, Kultur und ihre mannigfache Verwendung im sozialen Leben in Kultus, Sitten, Gebräuchen, Medizin, Kunst. Nach den eigenen bildlichen Darstellungen der alten Aegypter, Pflanzenresten aus Gräberfunden Zeugnissen alter Schriftsteller und den Ergebnissen der neuen Forschungen ... Leipzig (Verlag von Wilhelm Friedrich ...) 1886. Oct. (*Pfl. alt. Aegypt.*).
*Ed.* [*1*]: Apr 1886 (p. 12: Apr 1886; Nat. Nov. Apr(1) 1886; J. Bot. Sep 1886; Bot. Jahrb. 2 Nov 1886; Bot. Zeit. 30 Apr 1886; Bot. Centralbl. 10-14 Mai 1886; Deut. bot. Monatschr. Jul 1886), p. [1]-425, [426]. *Copies*: H, HH, LC, M, MICH, MO.
*Reissue*: 1888 (with 1886 t.p. but cover carrying excerpts of reviews of "ed. 1" 1886 and 1888; Nat. Nov. Sep(1, 2) 1888; Bot. Centralbl. 3-7 Sep 1888), p. [1]-425, [426]. *Copies*: G, NY.
*Ed. 2* (Neue billige Ausgabe): 1897, p. [1]-425, [426]. *Copies*: B, USDA. – Leipzig (Verlag von Albert Heitz) 1897. Oct. – Reissue of original sheets.

**18.154.** *Die Pusztenflora* der grossen ungarischen Tiefebene ... mit einer farbigen Beilage und zahlreichen Pflanzenbildern in Text von Maler Ernst Kiesling. Nach des Verfassers Tode herausgegeben von Dr. E.S. Zürn, ... Leipzig (Verlag von Carl Meyers Graphischem Institut) 1899. Oct. (*Pusztenflora*).
*Publ.*: Aug-Sep 1899 (p. iii: Jul 1899; ÖbZ for Sep 1899; Nat. Nov. Sep(1) 1899; Bot. Centralbl. 27 Sep 1899; Bot. Monatschr. Nov-Dec 1899; Bot. Zeit. 26 Oct 1899; AbZ 15 Sep 1899), coloured frontisp., p. [i]-vii, 1-145 [146]. *Copies*: BR, G, H, HH, M, MO, NY, PH.
*Note*: Woenig published also *Eine Pusztenfahrt*, Bilder aus der ungarischen Tiefebene, ... illustriert von A. Klamroth. Leipzig (C. Jacobsen) 1892. 196 p., Oct.
*Ref.*: Höck (Luckenwalde), Bot. Centralbl. 81: 148-151. 1900 (rev.).

**Woerlein, Georg** (1848-1899), German (Bavarian) soldier and botanist; studied at the Nürnberg Polytechnic; in the Bavarian Army 1866-1876; from 1876 in München (Nymphenburg), sometime Bavarian paymaster ("königlicher Zahlmeister"). (*Woerl.*).

HERBARIUM and TYPES: M. – Other material in B (extant in herb. Ullepitsch). – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 511 (b. 29 Mar 1848, d. 22 Sep 1899); Biol.-Dokum. 19: 10131; BM 5: 2347; CSP 12: 790, 19: 682; DTS 1: 330; Futak-Domin p. 661; Morren ed. 10, p. 20; Rehder 5: 930; Tucker 1: 752.

BIOFILE: Anon., Biogr. Jahrb. deut. Nekrol. 4: 189*. 1900; Ber. bayer. bot. Ges. 7(1): 11-12, portr. 1900 (obit., portr.).
Hertel, H., Mitt. Bot. München 16: 455. 1980 (lich. at M, d. 1900).

**18.155.** *Die Phanerogamen- und Gefäss-Kryptogamen-Flora der Münchener Thalebene* mit Berücksichtigung der angrenzenden Gebiete nebst Aufzählung der sämtlichen von Garcke in seiner Flora von Deutschland 1890 angeführten Arten und Varietäten ... München (Druck von Val. Höfling, ...) 1893 [1894]. Oct. (*Phan.-Fl. Münch. Thalebene*).
*Publ.*: early 1894 (p. ix: Apr 1893; ÖbZ for Apr, Jul 1894; Bot. Zeit. 1 Jun 1894; Bot. Centralbl. 2 Mai 1894; Nat. Nov. Apr(2) 1894), p. [i]-xx, [1]-215, [216, cont.], map. *Copies*: BR, G, HH, M. – Issued as Ber. bayer. bot. Ges. 3, 1893.
*Nachtrag*: Ber. bayer. bot. Ges. 7: 189-204. 1900.
*Prelim. publ.*: 1885-1888, *Bemerkungen über neue oder kritische Pflanzen der Münchener Flora.* Deut. Bot. Monatschrift 3: 9-10, 49-51, 85-87. 1885, 4: 53-55. 1886, 5: 15-16. 1887, 6: 68-69. 1888.

**Wohlfarth, Rudolf** (1830-1900), German (Sachsen-Anhalt) botanist; originally insurance agent, later rector of a school in Neu-Weissensee nr. Berlin. (*Wohlf.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 512 (b. 25 Dec 1830); BFM 10; BM 5: 2347; DTS 1: 330-331, 6(4): 209; Futak-Domin p. 661; Hortus 3: 1207; Rehder 1: 388, 2: 299; TL-2/3804, see E.H. Hallier.

BIOFILE: Ascherson, P.F.A., Fl. Prov. Brandenburg 1: 16. 1864; *in* Nachtr. zu L. Schneider's Flora von Magdeburg 73. 1894.
Dörfler, I., Botaniker-Adressbuch ed. 1. 38. 1896.
Fitting, H., Z. Naturw. 69: 332-333. 1896 (in sketch of Floristics Halle).

COMPOSITE WORKS: Editor and for the greater part author of W.D.J. Koch *Syn. deut. schweiz. Fl.* ed. 3, vols. 1-2, 1890-1902. – Lief. 12-13, 1901-1902 possibly finished off by August Brand. Wohlfarth's name appears also on the covers of Lief. 3-18; however, according to Ascherson (1894) W. also took care of Lief. 1-2; Lief. 14-18 (vol. 3) were definitely edited by Brand.

**18.156.** *Die Pflanzen des Deutschen Reichs*, Deutsch-Oesterreichs und der Schweiz. Nach der analytischen Methode zum Gebrauch auf Exkursionen, in Schulen und beim Selbstunterricht ... Berlin (Nicolaische Verlags-Buchhandlung ...) 1881. Oct. (*Pfl. Deut. Reich.*).
*Publ.*: 15-31 Jul 1881 (p. viii: 15 Jul 1881; Nat. Nov. Aug(1) 1881; Bot. Centralbl. 22-26 Aug 1881; ÖbZ 1 Oct 1881; Bot. Zeit. 26 Aug 1881; Flora 11 Oct 1881), p. [i]-xvi, [1]-788. *Copies*: BR, G, HH, M.
*Ed. 2*: Mar 1890 (rev. V. Schiffner, Bot. Centralbl. 52: 274-275. 16 Nov 1892, sic; Bot. Centralbl. 16 Apr 1890 note; Bot. Zeit. 30 Mai 1890; ÖbZ for Apr 1890; Nat. Nov. Apr(1) 1890), p. [i]-xvi, [1]-788. *Copies*: G, H. – Unchanged reissue: "rigoureusement identique" fide J. Briquet 15 Mar 1923 in copy G.
*Note*: A note in Bot. Zeit. 42: 352. 30 Mai 1884 mentions a reissue "Berlin 1884".

**Wohlleben, Johann Friedrich** (x-1796), German (Westphalen) botanist; physician in Halle; Dr. med. Halle 1796. (*Wohll.*).

HERBARIUM and TYPES: REG (Lich.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 512; BM 5: 2347; Herder p. 190; PR 10375, ed. 1: 11336; Rehder 1: 373, 375; TL-2/4483; Tucker 1: 752.

BIOFILE: Anon., Flora 16(1): 341-342. 1833.
Garcke, A., Fl. Halle x. 1848 (note on his Suppl. Leyss. Fl. halens.).
Ilg, W., Hoppea 42: 38, 39, 99, 347, 391. 1984.
Kraus, G., Bot. Gart. Univ. Halle 2: 36. 1893.
Schulz, A., Jahresber. Westphäl. Prov.-Ver. Wiss. Kunst. 44: 54-57. 1916 (on W.'s list of Westfalian plants in Hoppe's Taschenbuch 1797, see below Wohlleben 1797).
Wohlleben, J.F., *in* D.H. Hoppe, ed., Bot. Taschenb. 1797: 51-80 (Nachtrag zur Hallischen Flora, with a postscript by Hoppe on p. 75-78, followed by a list of Westphalian plants on p. 78-80; see also A. Schulz, 1916).

**18.157.** *Supplementum ad Leysseri Floram halensem.* Specimen inaugurale botanico-medicum, quod consensu illustris medicorum ordinis in Academia fridericiana, ut doctoris medicinae gradum legitime acquirat, publico eruditorum ex animi offert auctor Joannes Fridericus Wohlleben assindia-guestphalus [Essen-Westphalian] ... Fasciculus I. ... Halae [Halle] (Litteris Michaelis) 1796. Oct. (*Suppl. Leyss. Fl. halens.*).
*Thesis*: 1796 (undated), p. [i-iv], [1]-44, *1 pl.* (uncol. copp. Fr. Klug). *Copy*: G. – For F.W. Leysser, *Fl. halens.* 1761, see TL-2/4483.
*Commercial ed.*: 1796 (date on t.p.), p. [i-iv], [1]-44, *1 pl.* (id.). *Copy*: HH.

**Wohltmann, Ferdinand [Friedrich Wilhelm]** (1857-1919), German (Hannover) botanist and colonial traveller; studied agriculture, natural sciences, law and economy; Dr. phil. Halle 1886; travelled in Europe and W. Africa 1886-1888; for the "Hamburger Kolonialisationsverein" to Dona Franziska in Santa Catharina, Brazil ca. 1890-1891; habil. Halle 1891; e.o. professor at Breslau University 1892-1894; travelled in N. America 1894; professor at Bonn-Poppelsdorf 1894-1905; travelled in Cameroon 1896, German East Africa 1897-1898, Togo and Cameroon 1899-1901, Samoa 1903; from 1905-1917 at the Agricultural Institute, Halle, from 1909 as director. (*Wohltmann*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 512 (b. 20 Oct 1857, d. 10 Apr 1919); BM 5: 2347; CSP 19: 683-684; LS 29203, 40668; Moebius p. 392; Rehder 5: 930; TL-2/see J.G. Kühn.

BIOFILE: Anon., Bot. Centralbl. 81: 192. 1900 (Geh. Regierungsrath), 111: 640. 1909 (dir. Halle); Brit. Mus. gen. cat. print. books 260: 58. 1965; Cat. gén. livr. impr. Bibl. natl. 226: 60-62. 1977; Deut. biogr. Jahrb. Überleitungsband 2: 1917-1920, p. 737. 1928 (documentation); Deut. Zeitgenossenlexikon 1590. 1905; Hedwigia 49: (134). 1910 (dir. Halle succeeding Julius Kühn), 61: (114). 1919 (d. 10 Apr 1919).
Degener, H.A.L., Wer ist's eds. 6-8. 1912-1922.
Fruwirth, C., ed., Z. Pflanzenzüchtung 7(1): 77-78. 1919 (obit. not., portr. in group).
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 349. 1914 (bibl.).
Wohltmann, F., Landwirthschaftliche Reisestudien über Chicago und Nord-Amerika. Breslau 1894, 440 p.; Pflanzung und Siedlung auf Samoa, Beihefte Tropenpflanzer 5: i-v, 1-164, *pl. 1-20.* 1904 (data on economic plants).

COMPOSITE WORKS: (1) With P. Holdefleiss, *Julius Kühn*, sein Leben und Wirken, Festschrift zum 80. Geburtstag. Berlin 1905.
(2) Editor, with O. Warburg, *Zeitschrift für tropische Landwirtschaft*, der Tropenpflanzer, 1(1-12). 1897. Berlin.
(3) Editor, with O. Warburg, *Der Tropenpflanzer*, vols. 2-22, 1898-1919. Berlin (after Apr 1919 "F. Wohltmann †").

(4) Editor, with O. Warburg, *Beihefte zum "Tropenpflanzer"*, vols. 1(1)-19(2-3), 1900-1919. Berlin.

THESIS: *Ein Beitrag zur Prüfung und Vervollkommnung der exakten Versuchsmethoden zur Lösung schwebender Boden- und Pflanzenkulturfragen.* Halle, 1886, 30 p. – Habilitationsschrift: *Über die Verbesserung und künstliche Veranlagung der natürlichen Produktionsfaktoren in der tropischen Agrikultur.* Halle 1891. 32 p.

**18.158.** *Die natürlichen Faktoren der tropischen Agrikultur* und die Merkmale ihrer Beurteilung ... Leipzig (Verlag von Duncker & Humblot) 1892 [i.e. 1891]. Oct. (*Nat. Fakt. trop. Agric.*).
*Publ.*: Dec 1891 (t.p.: 1892; p. x: 23 Oct 1891; Bot. Zeit. 29 Dec 1891; Bot. Centralbl. 9 Jan 1892; Nat. Nov. Dec(1) 1891), p. [ii]-xxi, [1]-440. *Copies*: B, LC, LD, USDA. – Vol. 1 of F. Wohltmann, *Handb. trop. Agrik. deut. Kol. Afrika.*

**18.159.** *Landwirthschaftliche Reisestudien* über Chicago und Nord-Amerika ... Breslau (Schletter'sche Buchhandlung ...) 1894. Oct. (*Landw. Reisestud.*).
*Publ.*: 1894 (t.p. 1894; p. [iv]: 13 Feb 1894), p. [i-ix], [1]-440. *Copies*: LC, USDA.

**18.160.** *Der Plantagenbau in Kamerun* und seine Zukunft. Drei Reiseberichte ... Berlin (Verlag von F. Telge ..) 1896. Oct. (*Plantagenb. Kamerun*).
*Publ.*: Sep-Nov 1896 (preface: summer 1896; Bot. Zeit. 16 Dec 1896), frontisp., p. [1]-39, *pl. 1-12*, map. *Copy*: USDA.

**18.161.** 120 *Kultur- und Vegetations-Bilder* aus unseren Deutschen Kolonien ... Berlin (Wilhelm Süsserott ...) 1904. (*Kult.-Veg.-Bild.*).
*Publ.*: 1904 (preface 23 Oct 1903), p. [i-viii], *pl. 1-120* (uncol. photos with captions). *Copies*: B, LD, USDA.

**18.162.** *Pflanzung und Siedlung auf Samoa.* Erkundungsbericht ... an das Kolonial-Wirtschaftliche Komitee zu Berlin ... [Berlin 1909]. Oct. (*Pflanzung Siedlung Samoa*).
*Publ.*: 1905, p. [i]-iv, [v], [1]-164, *pl. 1-20. Copy*: USDA. – Beih. Tropenpflanzer 5, 1905.

**Wojinowić, Welislaw P.** (1864-1892), Serbian botanist; studied mathematics and natural sciences at Belgrado 1882-1887; student of J. Pančic; at the University of Breslau with J. Cohn 1887-1890; Dr. phil. ib. 1890; from 1890-1892 active in floristics and mycology in Serbia; died of tuberculosis. (*Wojinowić*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BJI 1: 64; BM' 5: 2347.

BIOFILE: Anon., Bot. Jahrb. 15, Beibl. 35: 15. 1892 (d.).
Cohn, F., Bot. Centralbl. 50: 64. 1892 (obit. not.).

EPONYMY: *Wojnowicia* P.A. Saccardo (1899).

**18.163.** *Beiträge zur Morphologie, Anatomie und Biologie der Selaginella lepidophylla* Spring. Inaugural-Dissertation welche nebst beigefügten Thesen mit Genehmigung der hohen philosophischen Fakultät der Universität Breslau behufs Erlangung der Doktorwürde Dienstag den 12. August 1890 Mittags 12 Uhr in der Aula Leopoldina ... öffentlich verteidigen wird Welislaw P. Wojinowić aus Serbien [Breslau 1890]. Oct. (*Beitr. Selaginella lepidophylla*).
*Publ.*: 12 Aug 1890, p. [i, iii], [1]-36, *pl. 1-4* (uncol. liths. author). *Copy*: G. – On p. 35: *Lebenslauf.*

**Wolf, Carl Brandt** (1905-1974), American botanist; studied at Occidental College 1921-1926 (and worked one year with the Theodore Payne Nursery, Los Angeles); A.B. 1926; M.Sc. Stanford 1927, Dr. phil. ib. 1930; teaching assistant Stanford 1927-1930;

botanist at the Rancho Santa Ana Botanic Garden 1930-1945; manager of the Sespe Land and Water Company, Fillmore, Calif. 1945-1967. (*C. Wolf*).

HERBARIUM and TYPES: RSA (12.000); further material at A, BH, BM, C, CAS, DPU, DS (impt. set), GH, LCU, MO, NY, US, WTU. – *Field notes*: RSA.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 512; Bossert p. 441; Ewan ed. 1: 339-340, ed. 2: 242; Hortus 3: 1207; IH 1 (ed. 6): 366; Langman p. 810.

BIOFILE: Anon., Amer. men sci. eds. 5-7. 1933-1944; Index Amer. bot. lit. 1886-1966. 4: 565. 1969; Madroño 2(2): 22. 1931 (app. RSA); Taxon 1: 63. 1952 (herb. RSA).
Cantelow, E.D. & H.C., Leafl. W. Bot. 8: 101. 1957.
Knobloch, I.W., Pl. coll. N. Mexico 73-74. 1979.
Lenz, L.W., El Aliso 4(1): 156 [index to numerous entries] 1977 (history RSA).
West, J., Botany of San Diego County 131. s.d.
Wiggins, I.L., Madroño 22: 393-396. 1974 (obit., portr., bibl., b. 22 Mar 1905, d. 10 Feb 1974).

**18.164.** *The North American species of Rhamnus* ... Santa Aña Canon (Rancho Santa Ana Botanic Garden) 1938. Oct. (*N.Amer. sp. Rhamnus*).
*Publ.*: 2 Sep 1938, [cover: i-ii], frontisp., with text sheet [i*], [iii-v], 3-136. *Copies*: BR, G, HH, MICH, NY, U, US. – Monogr. Rancho Santa Ana Bot. Gard., Bot. no. 1.

**Wolf, Ferdinand Otto** (1838-1906), German (Thüringian)-born Swiss botanist and musician; educated as choir and solo church singer in Ellwangen; teacher at Feldkirch 1856-1858; to Wallis (Switzerland) 1858; teacher of music and natural history at Brig 1858-1861; organist and music teacher at Sion from 1861; student of the flora of the Wallis Alps; one of the founders and later president of the Société Murithienne. ( *F.O. Wolf*).

HERBARIUM and TYPES: Z. – Further material in A, B (extant, herb. Ullepitsch), BAS, BIRM, C, E, GB, GOET, IBF, KIEL, LAU, MANCH, NA, W. – *Letters* at G, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(2): 452-453, 12(3): 21; Barnhart 3: 512 (b. 11 Oct 1838, d. 27 Jun 1905); BL 2: 586, 733; BM 5: 2448; Rehder 5: 930; Saccardo 2: 114; Urban-Berl. p. 411.

BIOFILE: Anon., Bot. Jahrb. 38, Beibl. 87: 42. 1906 (d.); Hist.-biogr. Lex. Schweiz 7: 584. 1934.
Besse, Ch.M., Verh. schweiz. naturf. Ges. 104(2): 13-32. 1923.
Besse, M. & H. Schinz, Verh. Schweiz. naturf. Ges. St. Gallen 89: 144-147. 1906 (bibl.).
Christ, H., Verh. schweiz. naturf. Ges. St. Gallen 89: cxl-cxliii. 1906 (obit. portr.).
Fischer, E., Bibl. natl. Suisse 4(5): 20, 76, 112, 113, 114, 115, 116, 117, 118, 119, 120, 155, 160, 161, 172, 180, 187, 190, 191, 195. 1901 (bibl.).
Gave, P., Bull. Murith. 34: 224-240. 1907 (repr. 23 p.) (obit., bibl., list new taxa).
Jaccard, H., Cat. fl. Valais. xii-xiii. 1895.
Verdoorn, F., ed., Chron. bot. 4: 276, 446. 1938.

COMPOSITE WORKS: Editor, with R. Ritz, of A. Rion, *Guide bot. Valais*, 1872, TL-2/9246.

**Wolf, Frederick Adolph** (1885-1975), American mycologist and plant pathologist; studied at the University of Nebraska 1903-1908, M.Sc. 1908; at the University of Texas 1909-1910; Dr. phil. Cornell Univ. with G.F. Atkinson; plant pathologist Alabama Agricultural Experiment Station, Auburn 1911-1915; plant pathologist at the Agricultural Experiment Station at North Carolina State College, Raleigh 1915-1925; plant pathologist USDA at Orlando, Florida 1925-1927; professor of botany Duke University, Durham, North Carolina 1927-1954; emeritus professor from 1954. (*F.A. Wolf*).

HERBARIUM and TYPES: Material at BPI, CUP, DPU, TEX. – *Letters* at FH, NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 512; BM 5: 2348; Bossert p. 441; Kelly p. 243; Lenley p. 440; LS 40669-40672, suppl. 1447, 30235-30289; Moebius p. 372; Stevenson p. 1263; Tucker 1: 752, 3: 340.

BIOFILE: Anon., Amer. men sci. eds. 3-11. 1921-1967; Index Amer. bot. lit. 1886-1966. 4: 565-567. 1969 (bibl.); Who's who Amer. 17-29. 1932-1956; Who was who Amer. 7: 623. 1977-1981 (b. 25 Jun 1885, d. 7 Nov 1975).
Rogers, D.P., Brief hist. mycol. N. Amer. ed. 2. 3, 34, 1981.
Verdoorn, F., ed., Chron. bot. 2: 349, 350. 1936, 3: 31, 313. 1937.
Wolf, F.T., Mycologia 68(2): 229-232. 1976 (obit., portr.); Phytopathology 66(3): 238. 1976 (id.).

EPONYMY: *Wolfina* Seaver ex Eckblad (1968).

NOTE: Main works outside our period, with his son Frederick Taylor Wolf [b. 1915], *The fungi*, 2 vols. 1947 (other printing 1949); facsimile reprint Hafner Publishing Company., New York and London 1969. – See also his *Tobacco diseases and decays*, Durham, N.C. 1936.

**18.165.** *Life history and development of some fungi.* A thesis presented to the Faculty of the Graduate School of Cornell University for the degree of doctor of philosophy by Frederick Adolph Wolf, June, 1911. Oct.
*Publ.*: A set of reprints of papers in various journals:
[*1*]: Sep 1912, *The perfect stage of Actinonema rosae*, reprinted from the Botanical Gazette 54(3): 213-234. 1912.
[*2*]: 1922, *Some fungous diseases of the Prickly Pear*, Opuntia Lindheimeri † Engelm., reprinted from the "Annales mycologici" 10(2): [113]-134. *pl. 5.* 1912.
[*3*]: 1911, *A disease of the cultivated fig*, Ficus Carica L., reprinted from the Annales mycologici 9(6): [622]-624. 1911.
[*4*]: 1912, *Spore formation in Podospora anserina* (Rabh.) Winter, reprinted from the Annales mycologici 10(1): [60]-64. 1912.
[*5*] 1912, *The brown leaf spot* of Colt's foot, Tussilago farfara L., reprinted from the Annales mycologici 10(1): [65]-67. 1912.
*Copy*: NY.

**18.166.** *Fungi of the Duke forest* and their relation to forest pathology ... Durham, North Carolina ... 1938. Oct. (*Fungi Duke forest*).
*Collaborators*: K.H. Garren & J.K. Miller.
*Publ.*: Aug 1938, p. [1]-122. *Copies*: FH, Stevenson.

**Wolf, Nathaniel Matthaeus von** (1724-1784), German (West-Prussian, Danzig) physician, astronomer and botanist; studied at the Universities of Leipzig, Halle and Erfurt; practicing physician at Warsaw, Posen and Konitz; ca. 1769-1772 in Dirschau and, from 1772, in Danzig. (*Wolf*).

HERBARIUM and TYPES: von Wolf presented his herbarium and library in 1780 to the Naturforschende Gesellschaft, Danzig. Present location unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 513; BM 5: 2349; Bossert p. 441; Dryander 3: 33, 42; Herder p. 143; Hortus 3: 1207; PR 10380, ed. 1: 11341; Rehder 1: 77, 258; TL-1/1441-1443; TL-2/456; Zander ed. 10, p. 734, ed. 11, p. 837.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 260: 136. 1965.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 278.47. 1980.
Fuchs, H.P., Verh. naturf. Ges. Basel 72(2): 343-349. 1961.
Mansfeld, R., Repert. sp. nov. 48: 267. 1940.
Meusel, J.G., Lex. teut. Schriftst. 15: 302-303. 1816.
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 2: 1356-1357. 1863.
Ross, R., Acta bot. neerl. 15: 147-161. 1966 (extensive historical and nomenclatural study).

Schlechtendal, D.F.L. von, Bot. Zeit. 19: 68. 1861.
Schumann, E., Gesch. naturf. Ges. Danzig 1743-1892. 84-85, *pl. 3*. 1893 (brief biogr., b. 26 Jan 1724, d. 15 Dec 1784).
Stafleu, F.A., *in* G.H.M. Lawrence, ed., Adanson 1: 307. 1963.
Wittrock, V.B., Acta Horti Berg. 3(2): 147. 1903.

EPONYMY: *Wolfia* Schreber (1791, *nom. rej.*) and *Wolfia* K.P.J. Sprengel (1824) both probably honor this author but no etymology was given.

**18.167.** *Genera plantarum* vocabulis characteristicis definita ... [Danzig] 1776. Oct. (*Gen. pl.*).
*Publ.*: 1776-1780 (t.p. date is 1776, but p. [149] of the Concordantia is dated 1780. The *Genera* itself can be regarded to have been published in 1776, the Concordantia in 1780), p. [1]-8, chart, [1]-177, [178, err.]. *Concordantia botanica*: [1-149]. *Copies*: G, MO, USDA; IDC 5821.
*Note*: The monomial nomenclature in code form introduced in these books (i.e. incl. the *Gen. sp. pl.* below) runs parallel to the Linnaean nomenclature and is alternative to it, not replacing it. The ordinary Latin names of genera in this publication have normal standing in nomenclature. [e.g. Vincetoxicum on p. 130]. Fuchs' statement that the Latin names are merely synonyms of the technical monomials is not supported here. Wolf's parallel nomenclature was intended to obtain a code-designation based on characters (see the title of the book). See Ross 1966 for an extensive commentary.

**18.168.** *Genera et species plantarum* vocabulis characteribus definita. In Marienwerder (Typis Joan. Jac. Kanteri ...) 1781. Oct. (*Gen. sp. pl.*).
*Publ.*: 1781, p. [1]-454, chart, [455-462, err.]. *Copy*: PH; IDC 5821. – See above, *Gen. pl.* (1776) for a note on the nomenclature used in this work.

**Wolf, [Franz] Theodor** (1841-1921), German (Württemberg) geologist and botanist; professor of geology and mineralogy Univ. Quito 1870, state geologist of Ecuador 1875; from 1891 private scientist at Dresden-Plauen. (*Th. Wolf*).

HERBARIUM and TYPES: DR (Potentilla herbarium extant). – Further material at A, GB, M. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 738; Barnhart 3: 512 (b. 13 Sep 1841); BM 5: 2349, 8: 1448; DTS 6(4): 209; Futak-Domin p. 661; Hegi 4(2): 846; Hortus 3: 1207; Langman p. 810; MW p. 534; NW p. 61; Rehder 1: 510; Tucker 1: 752; Zander ed. 10, p. 734, ed. 11, p. 837.

BIOFILE: Anon., Österr. bot. Z. 73: 236. 1924 (d.).
Zittel, K.A. von, Gesch. Geol. Paläont. 553, 554. 1899.

**18.169.** *Potentillen-Studien* I-II ... Dresden (Druck und Verlag von Wilhelm Baensch) 1901-1903. Oct. (*Potentillen-Stud.*).
*1*: Mar 1901 (p. 4: Feb 1901; Bot. Zeit. 1 Jun 1901; ÖbZ for Mar 1901; AbZ 15 Jul 1901; Bot. Centralbl. 24 Apr 1901; Nat. Nov. Jun(1) 1901), p. [1]-123, [124, colo.]. – *Die sächsischen Potentillen* und ihre Verbreitung besonders im Elbhügellande, mit Ausblicken auf die moderne Potentillenforschung.
*2*: Jun 1903 (p. 6: Apr 1903; ÖbZ for Jun 1903; AbZ 15 Oct 1903; Nat. Nov. Aug(1) 1903), p. [1]-70, [1-2, err. dated Jun 1903].
*Copies*: B, BR, G, HH, M, NY.

**18.170.** *Monographie der Gattung Potentilla* ... Stuttgart (E. Schweizerbart'sche Verlagsbuchhandlung (E. Nägele)) 1908. Qu. (*Monogr. Potentilla*).
*Publ.*: Jul-Dec 1908 p. vi: Aug 1908; in 4 Lieferungen), p. [ii]-vi, [vii], [1]-714, [1, err.], maps 1-2, *pl. 1-20* (uncol. liths. Th. Wolf). *Copies*: BR, G, PH, U; IDC 9239(71). – Bibliotheca botanica Heft 71, 1908.
*Lief. 1*: Aug 1908 (Nat. Nov. Jul(2) 1908), p. [1]-176, *pl. 1-4*, maps 1-2.

*Lief. 2*: Aug 1908 (Nat. Nov. Aug(2) 1908), p. 177-336, *pl. 5-10* (Bot. Centralbl. 6 Oct 1908).
*Lief. 3*: Nov 1908, p. 337-520, *pl. 11-17* (Bot. Centralbl. 24 Nov 1908).
*Lief. 4* (*Schluss*): Dec 1908, p. [i]-vi, [vii], 521-715, *pl. 18-20* (Bot. Centralbl. 12 Jan 1909).
*Systematische Übersicht der Gattung Potentilla* (Herbar-Katalog) 1908, Sonderabdruck aus der Bibliotheca botanica Heft 71. 1908, ... p. 685-693; reprints Dec 1908, p. [1]-11. *Copies*: B, NY.
*Ref.*: Wangerin, W., Bot. Centralbl. 113: 346-351. 1910 (rev.).

**Wolff, [Karl Friedrich August] Hermann** (1866-1929), German (Braunschweig, Brunswick) veterinarian and botanist; studied veterinary medicine in Berlin 1885-1890; municipal veterinarian in Berlin from 1894; Dr. phil. Berlin 1925; travelled widely in S.E. Europe and the Near East; student of the Umbelliferae. (*H. Wolff*).

HERBARIUM and TYPES: B (herbarium mainly extant). – Further material in ANK, LZ. – *Letters at G.*

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 514 (b. 22 Jun 1866, d. 21 Apr 1929); BJI 2: 194; BM 5: 2349; Langman p. 810; MW p. 534-535; TL-2/1713, 15.691; Zander ed. 10, p. 734, ed. 11, p. 837.

BIOFILE: Arch. Bot., Caen 3(6): 136. 1929 (obit. not.); Index Amer. bot. lit. 1886-1966. 4: 570. 1969; J. Bot. 67: 184. 1929; Österr. bot. Z. 78: 360. 1929 (d.).
Fedde, F., Repert. sp. nov. 26: [240]. 1929 (obit. not.).
Harms, H., Notizbl. Bot. Gart. Mus. Berlin-Dahlem 10(100): 1007-1012. 1930 (obit., portr., bibl.).
Parodi, L.R., Physis 9(34): 473. 1929.
Pilger, R., Mitt. Bot. Gart. Mus. Berlin-Dahlem 1(1): 19. 1953 (herb. H. Wolff extant).
Rieck, W., Berlin tierärztl. Wochenschr. 47: 111. 1931 (obit.).

COMPOSITE WORKS: (1) *Brockenflora*, *in* E. Kampe [pseudonym for H. Wolff], F. Schwarze & E. Prediger, *Flora und Fauna von Harzburg*, 1887. See TL-2/3498 sub E. Kampe.
(2) *Umbelliferae*, *in* A. Engler, *Pflanzenreich* IV-228, Heft 43, Apioideae, 2 Aug 1910, cont. Heft 90, 29 Apr 1927. Heft 61, Saniculoideae, 16 Dec 1913. TL-2/1713.
(3) *Umbelliferae*, *in* G.W.J. Mildbraed, *Wiss. Erg. deut. Zentr.-Afr. Exped. Bot.* 6: 593-601. Aug 1913. TL-2/6008. – Also reprinted with original pagination s.l.n.d., *copy*: B.
(4) *Umbelliferae*, *in* Aloysius Sodiro, S.J., *Plantae ecuadorienses* 5, *in* Bot. Jahrb. 40, Beibl. 91: [48]-50. 2 Aug 1907.
(5) *Umbelliferae austro-americanae*, *in* I. Urban, *Plantae novae andinae* imprimis Weberbauerianae III, Bot. Jahrb. 40(3): 281-306. 24 Jan 1908. TL-2/15.691.
(6) *Umbelliferae*, *in* H. Smith, *Plantae sinenses* a dre. H. Smith annis 1921-1922 lectae, Medd. Göteb. bot. Trädgård. 2: [289]-328. [shortly after] 28 Mai 1926 (date of printing).

**18.171.** *Species novae generis Eryngii* Americae centralis et australis ... Sonderabdruck aus Fedde, Repertorium ... 1909. Oct.
*Publ.*: 20 Sep 1909, p. [274]-279. *Copy*: B. – Reprinted and to be cited from Repert. sp. nov. 7: 274-279. 1909.
*Eryngia nova americana duo*: ib. 8: 414-415. 10 Aug 1910.

**18.172.** *Neue Umbelliferen-Gattungen aus Ostasien* ... Aus "Notizbl. Bot. Gart. u. Mus. Berlin-Dahlem" ... 1925. Oct.
*Publ.*: 20 Mar 1925, p. [275]-282. *Copy*: B. – Reprinted and to be cited from Notizbl. Berlin-Dahlem 9: 275-282. 1925.

**Wolff, Johann Friedrich** (1778-1806), German (Bavarian) physician and botanist at Schweinfurt; Dr. med. Altorf 1801. (*J.F. Wolff*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 396; Backer p. 628; Barnhart 3: 514 (b. 13 Mar 1806); BM 5: 2349; Frank 3 (Anh.): 115; Hegi 2: 142; Herder p. 290; PR 10390, ed. 1: 11351.

EPONYMY: *Pseudowolffia* C. den Hartog et F. van der Plas (1970); *Wolffia* Horkel ex Schleiden (1839, *nom. rej.*); *Wolffia* Horkel ex Schleiden (1844, *nom. cons.*); *Wolffiella* Hegelmaier (1895); *Wolffiopsis* C. den Hartog et F. van der Plas (1970).

**18.173.** *Dissertatio inauguralis de Lemna.* Quam summi numinis auspicis consentiente gratioso medicorum ordine in studiorum universitate altorfina pro gradu doctoris medicinae et chirurgiae obtinendo die ix nov. mdccci publice defendet ... Altorfii et Norimbergiae (sumptibus Joh. Leonh. Sixt. Lechner ...) 1801. Qu. (*Lemna*).
*Publ.*: 9 Nov 1801, p. [i-viii], [1]-32 ["22"], *pl. 1-2* (copp. auth., *pl. 1* p.p. col.). – A second t.p. has "*Commentatio de Lemna.* Auctore ..." Altorfii et Norimbergae (id.). 1801.
*Other issue* [1801]: with imprint "Altorfii typis Hesselianis" s.d. Qu., p. [i-viii], [1]-32, [ii], *pl. 1-2*, id. *Copy*: HH.

**Wolff, Johann Philipp** (1743-1825), German (Bavarian) physician and botanist at Schweinfurt. (*J.P. Wolff*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: PR 372, 5658, ed. 1: 434; TL-2/282.

BIOFILE: Ilg, W., Hoppea 42: 348. 1984.

COMPOSITE WORKS: Author of the dissertation defended under Ernst Gottfried Baldinger (see TL-2/1: 109-110), *Filic. semin.* (1770) see TL-2/282. Additional copy seen: B-S.

**Wolff, [Jacobus Otto] Reinhold** (1845-?), German (Silesian), agriculturist and mycologist; Dr. phil. Halle 1874; habil. Halle 1875; attended agricultural schools in Würlitz nr Kreuzburg (Schles.) and Proskau (Schles.); studied at Halle with e.g. Knoblauch, de Bary, Solms-Laubach; ultimately teacher at the Polytechnical School of Riga, Latvia. (*R. Wolff*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 514; BM 5: 2350; Frank 3 (Anh.): 115; Jackson p. 165, 167, 168; Morren ed. 10, p. 100.

BIOFILE: Wolff, R., Der Brand des Getreides 1873 (vita on p. [33]: b. 27 Apr 1845).

**18.174.** *Der Brand des Getreides.* Inaugural-Dissertation zur Erlangung der Doctorwürde verfasst und mit Genehmigung der philosophischen Facultät der vereinigten Friedrichs-Universität Halle-Wittenberg sammt den Thesen öffentlich zu vertheidigen am 8. August 1873 um 12 Uhr ... Halle (Druck der Buchdruckerei des Waisenhauses) 1873. Oct. (*Brand Getreid.*).
*Thesis edition*: 8 Aug 1873 (Bot. Zeit. 15 Aug 1873), p. [i-iii], [1]-34, [35, vita; 36 theses], *1 pl. Copies*: B-S, LC, NSUB, USDA.
*Commercial edition*: 1874 (Bot. Zeit. 27 Mar 1874), p. [i]-vi, vii, [1]-37, [38], *pl. 1-5* (p.p. col. liths. auth.). *Copy*: G. – *Der Brand des Getreides*, seine Ursachen und seine Verhütung. Eine pflanzenphysiologische Untersuchung in allgemein verständlicher Form ... Halle (Verlag der Buchhandlung des Waisenhauses) 1874. Oct.

**18.175.** *Beitrag zur Kenntniss der Schmarotzerpilze* (Erisyphe graminis und Erysiphe communis). Habilitationsschrift, durch welche mit Genehmigung der philosophischen Fakultät der vereinigten Friedrichs-Universität Halle-Wittenberg zu seiner Antrittsvorlesung Ueber das Ziel des studirenden Landwirthes Freitag, 19. März Mittags 12 Uhr

ergebenst einladet ... Berlin (Druck von Gebr. Unger (Th. Grimm) ...) 1875 Oct. (*Beitr. Kenntn. Schmarotzerpilze*).
*Publ.*: 19 Mar 1875 (Jan-Jun 1875 fide Bibl. hist. nat.; Bot. Zeit. 21 Mai 1875), p. [i], [1]-39, [40, vita], *pl. 3-4* (uncol. liths. auth.). *Copies*: B-S, LC, NSUB. – Preprinted or reprinted from Landw. Jahrb. 4: 351-397. 1875.
*Continuation*: Landw. Jahrb. 6: 723-757. 1877: *Entwickelungsgeschichte des Kiefernblasenrostes Aecidium Pini* ...

**18.176.** *Aecidium Pini* Pers. und sein Zusammenhang mit Coleosporium Senecionis Lév. Eine entwicklungsgeschichtliche Untersuchung von Dr Reinhold Wolff, Professor am Polytechnikum zu Riga Festschrift der Kaiserlichen Akademie der Wissenschaften zu St. Petersburg zu ihrer hundertfünftigjährigen Gedenkfeier dargebracht von der Plenar-Conferenz der Polytechnischen Schule zu Riga. [Riga 1876]. Oct. (*Aecidium Pini*).
*Publ.*: 1876, p. [i-vii], [1]-26, [27-28], *2 pl.* (liths., auth.; one col.). *Copy*: FH. – Further papers by this author on *Aecidium Pini*: Landw. Jahrb. 6: 723-757. 1877, and Corresp.-Blatt Riga 23: 9-12. 1880.

**Wolle, Francis** (1817-1893), American botanist (algologist) and educator; did educational work in the Moravian church, teacher at Nazareth Hall and Bethlehem Pa.; vice-principal Young Ladies Seminary, Bethlehem, Pa., 1857, principal 1861-1881; in retirement continuing his algological work. (*Wolle*).

HERBARIUM and TYPES: PH (see also Sayre 1975 and Drouet 1939, p. 18). – Further material at BUF, CAS, DPU, F, FH, GH, NY, OXF. – *Letters* at FH, G, GH, NY. – *Manuscripts, correspondence and drawings*: PH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 514 (b. 17 Dec 1817, d. 10 Feb 1893); BM 5: 2350; Bossert p. 441; Clokie p. 266; CSP 12: 791, 19: 695; De Toni 1: cxxxii, 4: liv; KR p. 777; Lenley p. 440; Morren ed. 10, p. 129; NAF ser. 2. 6: 81; NI 2178-2180; Nordstedt p. 18; PH see Guide; TL-2/13.171.

BIOFILE: Anon., Acta Horti Berg. 3(2): 181, *pl. 36*. 1903; Amer. J. Pharm. 65: 207. 1893; Amer. monthly micr. J. 14: 181-182. 1893 (obit., portr.); Bot. Not. 1894: 47 (d.); Index Amer. bot. lit. 1886-1966. 4: 570. 1969; Natl. Cycl.-Amer. biogr. 1: 320. 1892; Proc. Amer. Microsc. Soc. 15(4): 245-246. 1894 (obit., portr.); Trans. Morav. hist. Soc. 8: 24-25. 1909 (brief sketch of activities at seminary).
Coulter, J.M., Bot. Gaz. 18: 109-110. 1893 (obit.).
De Wildeman, E., Bull. Soc. belge Microsc. 20(1): 71-72. 1894 (obit.);.Notarisia 9: 8. 1894 (obit.).
Drouet, F., Bot. Ser. Field Mus. nat. Hist. 20(2): 17-64. 1939 (Francis Wolle's filamentous Myxophyceae).
Ewan, J. et al., Short hist. bot. U.S. 12, 78, 79, 91. 1969.
Harshberger, J.W., Bot. Philadelphia 221-223. 1899 (portr.).
Humphrey, H.B., Makers N. Amer. bot. 264-265. s.d.
Kain, C., Bull. Torrey bot. Club 20(5): 211-212. 1893 (obit. not.).
Prescott, G.W., Bibl. Desmid. univ. 556-557. 1984.
Reichel, W.C., A history of the rise, progress and present condition of the Moravian seminary for young ladies, at Bethlehem, Pa., ed. 2, revised by W.H. Bigler, 250, 310. 1870 (principal seminary; portr.).
Sayre, G., Mem. New York Bot. Gard. 19(3): 417. 1975 (herb. at F).

COMPOSITE WORKS: Contributed to Wittrock & Nordstedt, *Algae aquae dulcis* e.g. fasc. 8, no. 389, 397 (1880), 10, no. 498 (1882); see also fasc. 21: 53-55, 61. 1889.

EPONYMY: *Wollea* E. Bornet et C. Flahault (1888).

**18.177.** *Desmids of the United States* and list of American Pediastrums with eleven hundred illustrations on fifty-three colored plates ... Bethlehem, Pa. (Moravian Publication Office) 1884. Oct. (*Desmids U.S.*).
*Publ.*: Mai 1884 (p. vii: Feb 1884; NY copy rd. by Kitchell 29 Mai 1884; Bot. Zeit. 29

Aug 1884; J. Bot. Aug 1884; TBC Aug 1884; Bot. Gaz. Aug 1884; Grevillea Jun 1884), p. [i]-xiv, [15]-168, [169], *pl. 1-53* (col. liths. with 1 p. text each). *Copies*: FH(2), G, H, M, MICH(2), NY(3), PH, US, USDA. – Several copies have a loose errata slip, sometimes bound between p. [ii] and [iii].

*Ed. 2*: 1892 (Bot. Zeit. 16 Oct 1893 as of "1893"; also 16 Jun 1893; Nat. Nov. Dec(1) 1892), portr., p. [i]-xiv, 15-182, *pl. 1-64* (id.). *Copies*: FH, NY(2), US. – New and enlarged edition, Bethlehem, Pa. (id.) 1892. Oct.

**18.178.** *Fresh-water algae* of the United States; exclusive of the Diatomaceae) complemental to Desmids of the United States; ... Bethlehem, Pa. (The Comenius Press) 1887. Oct. (*Fresh-water alg.*).

*Text*: Jul 1887 (p. vi: Dec 1886; Bot. Gaz. 1887 " in press"; Sep 1887 (rev.); J. Bot. Oct 1887; Bot. Zeit. 25 Nov 1867; TBC Aug 1887; Bot. Gaz. Aug 1887; Nat. Nov. Aug(2) 1887), p. [i]-xix, [21]-364, loose errata slip.

*Plates* (*vol. 2*): 1887 (issued simultaneously with text), p. [i], *pl. 54-210* (col. liths.) with 1 p. text each.

*Copies*: FH, G, H-UB, NY, PH, US, USDA; IDC 504.

**18.179.** *Diatomaceae of North America* illustrated with twenty-three hundred figures from the author's drawings on one hundred and twelve plates ... Bethlehem, Pa. (the Comenius Press) 1890. Oct. (*Diatom. N. Amer.*).

*Publ.*: 1890 (t.p.: 1890; Bot. Z. 29 Mai 1891; TBC 1 Mai 1891; J. Bot. 1 Mai 1891; Nat. Nov. Mar(2) 1891), p. [i]-xiii, [15]-47, [49], *pl. 1-112* (uncol., with 1 p. text each). *Copies*: FH, G, NY, PH, US, USDA. – MO has a copy dated 1894.

**Wollenweber, Hans Wilhelm** (1879-1949), German (Westphalen) mycologist and parasitologist; trained as a gardener at the horticultural school Wildpark, Potsdam; garden-technician in Hannover 1902-1903; studied at the Universities of Göttingen and Berlin 1906-1909; Dr. phil. Berlin 1909; collaborator in the phytopathological laboratory of the Biologische Reichsanstalt, Berlin-Dahlem 1909, from 1919 in charge of the mycological laboratory ib. (*Wollenweb.*).

HERBARIUM and TYPES: BSB; further material in B (p.p. extant).

*Fusaria culta et Fusaria culta excludenda*, cent. 1, nos. 1-100, date unknown. Sets at B, BPI, LD, W. – For full details see J. Stevenson, Beih. Nova Hedw. 36: 514-515. 1971.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 514; Biol.-Dokum. 19: 10169-10171; BJI 2: 194; BL 2: 476, 733; BM 8: 1450; Bossert p. 441; GR p. 55, cat. p. 73; Hawksworth p. 186 (herb. BSB); Hirsch p. 328; Kelly p. 243; LS 30611, suppl. 1086-1088, 30325-30365; MW p. 535, suppl. 395; Stevenson p. 1263; TL-2/12.959.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 5: 570-571. 1969.
Doidge, E., Bothalia 5: 1028. 1950.
Hase, A., Z. Parasitenk. 14: 281-284. 1949 (obit., portr., b. 9 Sep 1879, d. 3 Feb 1949).
Reinking, O.A., Phytopathology 40(2): 119-127. 1950 (obit., portr., bibl.).
Verdoorn, F., ed., Chron. bot. 1: 132. 1935, 2: 144. 1936, 3: 123. 1937.

COMPOSITE WORKS: Collaborator P. Sorauer, ed., *Handb. Pfl.-Krankh.* 3, *Die pflanzlichen Parasiten*, 1923, see TL-2/12.459.

**18.180.** *Grundlagen einer Monographie der Gattung Fusarium* (Link) ... Berlin (Verlagsbuchhandlung Paul Parey ... [id.] Julius Springer) 1910. Oct. (*Grundl. Monogr. Fusarium*).

*Senior author*: Friedrich Carl Louis Otto Appel (1867-1952).

*Publ.*: 1910, cover-t.p., p. 1-207, *pl. 1-3*. *Copy*: Stevenson. – Issued as Arb. K. Biol. Anst. Land-Forstwirtsch. 8(1), 1910.

**18.181.** *Die Kultur als Grundlage zur besseren Unterscheidung systematisch schwieriger Hyphomyceten* ... Berlin (Gebrüder Borntraeger) 1910. Oct.

*Senior author*: Friedrich Carl Louis Otto Appel (1867-1952).

*Publ.*: 24 Nov 1910, cover-t.p., p. [435]-448, *pl. 13. Copy*: Stevenson. – Reprinted and to be cited from Ber. deut. bot. Ges. 28(8): [435]-448. *pl. 13.* 1910.

**18.182.** *Studies on the Fusarium problem* ... Reprinted from the Journal of Phytopathology ... 1913. Oct.
*Publ.*: Feb 1913, p. [24]-50, *pl. 5. Copy*: Stevenson. – Reprinted and to be cited from J. Phytopath. 3(1): [24]-50. *pl. 5.* 1913.

**18.183.** *Ramularia, Mycosphaerella, Nectria, Calonectria* ... Reprinted from Phytopathology ... 1913. Oct.
*Publ.*: Aug 1913, p. [197]-242, *pl. 20-22. Copy*: Stevenson. – Reprinted and to be cited from Phytopathology 3(4): 197-242, *pl. 20-22.* 1913.

**18.184.** *Fusaria autographice delineata.* Collectio specierum ex herbariis variis selectarum et ab auctore lectarum cultarumque synonymis et excludendis additis quas determinavit, in sectiones digessit, comparavit cum Hypocreaceis analogis praemissis ad methodi naturalis normas et culturae purae experientiam H.W. Wollenweber ... Berolini [Berlin] 1916 [-1935]. Card index. (*Fusaria autogr. delin.*).
*Publ.*: 1916-1935, numbered fiches (16.5 x 10.5 cm) with lithographed text and figures; each fiche treats a single species, includes drawings and notes, often indicates herbarium specimens and herbaria. Effective publication. *Copies*: BR, MICH, NY, Stevenson. – For extensive details see J. Stevenson, Beih. Nova Hedw. 36: 516-525. 1971.
[*1*]: 1916, title page fiche with [i], fiches *1-11, 12a, 12b, 13-509.*
[*2*]: 1924, [i], *fiches 510-659.*
[*3*]: 1930, p. [i], fiches *660-677, 678a, 678b, 679-685, 686a, 686b, 686c, 687-856, 857, 857a, 858-872, 873a, 873b, 874-894, 894a, 895-916, 917a, 917b, 918-956, 956a, 957-1003, 1003a, 1004-1099, 1099a, 1100.*
[*4*]: 1935 (Nat. Nov. Feb 1936), [i], fiche *1101-1103, 1104a, 1104b, 1104c, 1105-1113, 1114a-1114b, 1115-1116, 1117a, 1118-1126, 1127a, 1127b, 1128-1154, 1155a, 1155b, 1156a, 1156b, 1157-1200.*
*List of species* depicted with additional notes (nos. 1-509): Ann. mycol. 15: 1-56. 1917. – Further text accompanying the index cards: *Fusarium Monographia* (1931), see below. – See Stevenson (1971) for further references.

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*Publ.*: 1923 (p. 3: Dec 1922; ÖbZ Jul-Oct 1923), p. [1]-56, *pl. 1-20* (in text). *Copy*: FH. – Arb. Forschungsinst. Kartoffelbau Heft 7.

**18.186.** *Pyrenomyceten-Studien* ... Sonderabdruck aus Angewandte Botanik, ... 1924. Oct.
[*1*]: Mar-Jun 1924 (Heft 2 for Mar-Jun 1924), rd. USDA 7 Aug 1924), p. [300]-313. *pl. 8. Copy*: Stevenson. – Reprinted and to be cited from Angew. Bot. 6(2): 300-313. *pl. 8.* 1924.
[*2*]: Mai-Jun 1926 (Heft 3 for Mai-Jun 1926; USDA rd. 20 Jul 1926), p. 168-212, *pl. 2-5. Copy*: Stevenson. – Id. 8(3): 168-212. *pl. 2-5.* 1926.
*3*: 1929, Proc. Int. Congr. Plant Sci. 1926(2): 1612-1617. 1929.

**18.187.** *Aliquot Fusaria* tropicalia nova vel revisa ... Reprinted from Phytopathology ... 1925. Oct.
*Co-author*: Otto August Reinking (1890-1926).
*Publ.*: Mar 1925, p. [155]-169. *Copy*: Stevenson. – Reprinted and to be cited from Phytopathology 15(3): [155]-169. 1925.

**18.188.** *Fundamentals for taxonomic studies of Fusarium* ... Washington (Government Printing Office) 1925. Oct.
*Co-authors*: Constantine Dmitriev Sherbakoff (1878-1965), Otto August Reinking (1890-1926), Helen Johann, Alice Linna Bailey (née Allen) (1896-x).
*Publ.*: 1 Mai 1925, cover-t.p., p. 833-843. *Copy*: Stevenson. – Reprinted and to be cited from J. Agr. Res. 30(9): 833-843. 1925.

**18.189.** *Über Fruchtformen der krebsterregenden Nectriaceen* ... Berlin (Verlagsbuchhandlung Julius Springer) 1928. Oct.
*Publ.*: 1928 (Abgeschlossen am 17. April 1928), cover-t.p., p. [138]-173. *Copy*: Stevenson. – Reprinted and to be cited from Z. Parasitenk. 1(1): 138-173. 1928.

**18.190.** *Fusarium-Monographia* fungi parasitici et saprophytici ... Berlin (Verlagsbuchhandlung Julius Springer ...) 1931. Oct.
*Publ.*: 1931 (Abgeschlossen am 22. Mai 1931), p. [i], [269]-516. *Copies*: BR, FH, NY. – Reprinted and to be cited from Z. Parasitenk. 3(3): [269]-516. 1931.

**18.191.** *Die Verbreitung der Fusarien in der Natur* ... Berlin (R. Friedländer und Sohn) 1935. Oct. (*Verbr. Fusarien*).
*Co-author*: Otto August Reinking (1890-1926).
*Publ.*: 1935, p. [1]-80. *Copies*: FH, Stevenson.

**18.192.** *Die Fusarien* ihre Beschreibung, Schadwirkung und Bekämpfung ... Berlin (Verlagsbuchhandlung Paul Parey ...) 1935. Oct. (*Fusarien*).
*Co-author*: Otto August Reinking (1890-1926).
*Publ.*: 1935 (p. vi: Aug 1935), p. [i]-viii, [1]-355, [356]. *Copies*: FH, G, MO, NY, U.

**18.193.** *Diskomyzetenstudien* (Pezicula Tul. und Ocellaria Tul.) ... Berlin-Dahlem ... 1939. Oct.
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**Wolley-Dod, Anthony Hurt** (1861-1948), British soldier and botanist; Royal Military Academy at Woolwich 1879; commissioned Royal Artillery 1881; captain 1889, retired with rank of major 1901; lt.-colonel during World War I; collected in S. Africa (1900-1901), Gibraltar (1913-1914), California (1921). (*Wolley-Dod*).

HERBARIUM and TYPES: BM (ca. 10.000; rd. 1948); Rose herbarium, 2000, rd. 1938); further material in B (mainly destr.), BOL, CGE, E, GRA, K, NH, NMW, NOT, OXF, RTE, SAM, TLS. – *Letters* at G.

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**18.194.** *The subsection Eu-Caninae of the genus Rosa* ... London (West, Newman & Co., ...) 1908. Oct. (*Eu-Caninae*).
*Publ.*: 1908 (in parts), p. [i], [1]-110. *Copy*: BR. – Issued as Supplement to the Journal of Botany 46, suppl. 1: 1-48. Jan-Mai, 48-64. Jun, 65-80. Jul, 81-96. Aug, 97-110. Sep 1908.

**18.195.** *The British roses* (excluding Eu-Caninae) ... London (West, Newman & Co., ...) 1910. Oct. (*Brit. roses*).
*Publ.*: Jan-Oct 1910, p. [i], [1]-141. *Copy*: BR. – Issued as J. Bot. 48, suppl. 1-16. Jan, 17-

32. Feb, 33-48. Mar, 49-64. Mai, 65-80. Jun, 81-96. Jul, 97-112. Aug, 113-128. Sep, 129-141. Oct 1910.

**18.196.** *A list of British roses* ... London (West, Newman & Co., ...) 1911. Oct. (*List Brit. roses*).
*Publ.*: Sep-Dec 1911, p. [1]-67. *Copies*: BR, MICH. – Issued as J. Bot. 49, suppl., p. 1-16. Sep, 17-32. Oct, 33-48. Nov, 49-56, 57-67. Dec 1911.

**18.197.** *A flora of Gibraltar* and the neighbourhood ... London (West, Newman & Co., ...) 1914. Oct. (*Fl. Gibraltar*).
*Publ.*: Jan-Oct 1914, p. [i], [i]-xxvi, 1-131. *Copies*: G, MICH. – Issued as J. Bot. 52. Suppl. p. 1-16. Jan, 17-32. Feb, 33-48. Mar, 49-64. Apr, 65-80. Mai, 81-96. Jun 96-112. Jul, 113-131. Aug, i-xxiv. Sep, xxv-xxvi. Oct 1914. – See also Wolley-Dod, *Gibraltar plants*, J. Bot. 52: 10-15. Jan 1914.
*Note*: A mss. *Flora calpensis* by Wolley-Dod was published posthumously in 1949: *Flora calpensis*. A list of plants recorded from Gibraltar and the Campo District of Spain. Edited and duplicated at the American Consulate, Gibraltar. 1949 (p. iii: 30 Apr 1949), mimeographed, 1-sided, p. [i]-v, 1-100, A-K (in pen over nos. 1-12), [i]-xviii, index.

**18.198.** *The roses of Britain.* Detailed descriptions of the wild roses known to grow in the British Islands, with notes on their pecularities and affinities, and on their comital distribution ... London (printed and published by Taylor and Francis, ...) 1924. Oct. (*Roses Britain*).
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**18.200.** *Flora of Sussex* edited by ... A.H. Wolley-Dod ... Hastings (Kenneth Saville ...) 1937. Oct. (*Fl. Sussex*).
*Authorship* although listed as "editor" Wolley-Dod was entirely responsible for the text; the nomenclature was brought up to date by A.J. Wilmott; A.B. Rendle "went through the text" (J. Bot. 76: 60. 1938).
*Publ.*: 24-31 Dec 1937 (fide J. Bot. Feb 1938), p. [i]-lxxiii, 1-571, *pl. 1-6*, 2 maps. *Copies*: BR, G, LIV, USDA.
*Facsimile reprint*: 1970, p. [i]-lxxiii, [1]-571, *pl. 1-6*, 2 maps. *Copies*: FAS, G, HH, MO, NY. – ISBN 9500836-2-3. Bristol (the Chatford House Press) 1970. – See Taxon 20: 171-172. 1971.
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**Wołoszcak, Eustach** (1835-1918), Galician (Polish) botanist; studied law at the University of Budapest; id. medicine and natural sciences at the University of Vienna; Dr. phil. ib.; volunteer assistant with Eduard Fenzl at the Vienna Natural History Museum, later botanical assistant at the University; assistant with A. Kerner in the Vienna Botanical Institute; professor of botany at the Lemberg Polytechnic 1884 (incl. zoology from 1891) from 1900 as ordinary professor; after his retirement living in Vienna. (*Wołoszack*).

HERBARIUM and TYPES: W (16.787); further material in B (extant in herb. Zool. bot. Ges. Wien), BP, KRAM. – We have no information on material in LW.
*Exsiccatae*: With A. Rehmann (TL-2/4: 655; IH 2(5): 745) *Flora polonica* cent. i-xi, ca. 1893-1904. Sets at B (mainly destr.), BM, C, E, K, KRAM, OXF, W, WRSL. – Contributed to *Fl. Exs. Austro-Hung.* – *Letters* at G.

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[*2*]: 1872 (read 3 Mai 1871), p. [659]-668. – Id. 22 (Abh.): 659-668. 1872.
[*3*]: 1873. – Id. 23 (Abh.): 539-542. 1873.
*Copies*: B, G.

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**18.203.** *Zur Flora von Jaworów* in Galizien ... [Verh. zool.-bot. Ges. Wien 1874, publ. 1875]. Oct.
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[*2*]: 1888 (p. 4: 26 Feb 1888), p. [i], [1]-37. *Copy*: B. – Reprinted id. 22 (cz. 2): 184-220. 1888. – "Drugi przyczynek ..."
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**18.210.** *O roślinności Karpat miedzy Łomnica* i Oporem ... Krakow (Drukarnia Uniwersytetu Jagiellońskiego ...) 1892. Oct.
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**18.212.** *O roślinności Karpat miedzy Górnym Biegiem Sanu i Osława* ... w Krakowie (Nakładem Akademii Umiejetności) 1893. Oct.
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**18.213.** *Zapiski botaniczne z Karpat sadeckich* ... w Krakowie (Nakładem Akademii Umiejètności ...) 1894. Oct.
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**18.214.** *Z granicy flory Zachodnio- i Wschodnio-Karpackiej* ... w Krakowie (Nakładem Akademii Umiejetności ...) 1895. Oct.
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**Wołoszyńska, Jadwiga** (1882-1951), Polish botanist (algologist); studied botany at Lemberg (Lwow) with M. Raciborski; Dr. phil. Lemberg 1912, assistant at the Biological and botanical institute of Lemberg University 1912; high school teacher 1920-1921; algological assistant at the Wigry lake hydrobiological station 1921-1923; assistant to W. Szafer at the University of Cracow 1924; assistant professor for pharmaceutical botany ib. 1930-1932; e.o. professor 1932-1946, regular professor 1950-1951. (*Wołoszyńska*).

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**18.218.** *Polnische Süsswasser-Peridineen* ... Cracovie [Krakow] (Imprimerie de l'Université) 1916. Oct.
*Publ.*: 1916 (journal issue for Oct-Dec 1915, publ. 1916), p. [i], [260]-285, *pl. 10-14*. *Copy*: H. – Reprinted and to be cited from Bull. Int. Acad. Sci. Cracovie sér. B. 1915 (Oct-Dec): 260-285, *pl. 10-14*. 1916 (cover date of journal volume 1916).

**18.219.** *Beitrag zur Kenntnis der Algenflora Litauens* ... Cracovie [Krakow] (Imprimerie de l'Université) 1917. Oct.
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*Publ.*: 1929, p. [i], [153]-278, *pl. 2-15*. *Copies*: B, FH, G, U. – Reprinted and to be cited from Arch. Hydrobiol. Ichthyol. 3(3-4): 153-278, *pl. 2-15*. 1929 (publ. 1929).

**18.223.** *Beitrag zur Kenntnis des Phytoplanktons tropischer Seen* ... Extrait des Archives d'Hydrobiologie et d'Ichtyologie ... 1930. Oct.
*Publ.*: 1930, cover-t.p., p. [159]-169. *Copy*: B. – Reprinted and to be cited from Arch. Hydrobiol. Ichtyol. 5(1-2): 159-169. 1930.

**18.224.** *Asterionella formosa* Hass. var. tatrica n. var. w Jeziorach tatrzańskich (Asterionella formosa Hass. var. tatrica n. var. in den Tatraseen ... Warsawa 1934. Oct.
*Publ.*: 1934, cover-t.p., p. [137]-151, *pl. 7*. chart. *Copies*: B, H. – Reprinted and to be cited from Acta Soc. Bot. Pol. 11(suppl.): [137]-151, *pl. 7*, chart. 1934.

**18.225.** *Über eine Wasserblüte von Cyanophyceen* in der Danziger Bucht und eine Wucherung der Diatomee Chaetoceros Eibenii Grun. ... Cracovie [Krakow] (Imprimerie de l'Université) 1935. Oct.
*Publ.*: 1935 (read 4 Mar 1935), cover-t.p., p. [101]-114. *pl. 6-7. Copies*: B, H. – Reprinted and to be cited from Bull. Acad. Polon. Sci. Lettr., Classe I. 1935: [101]-114. *pl. 6-7.* 1935.

**18.226.** *Bangia atropurpurea* (Roth) Agardh w Polsce ... Suwałki 1935. Oct.
*Publ.*: 1935, cover-t.p., p. [139]-162. *Copies*: B, H. – Reprinted and to be cited from Arch. Hydrobiol. Ichthyol. 9: [139]-162. 1935.

**18.227.** *Nitella plejstoceńska* Sciejowic koło Krakowa ... Warszawa (Nakładem Polskiego Towarzystwa Botanicznego) 1938. Oct.
*Publ.*: 30 Jun 1938 (date on p. 26: cover-t.p., p. [23]-26. *1 pl. Copy*: B. – Reprinted and to be cited from Acta Soc. bot. Polon. 15(1): [23]-26. 1938.

**18.228.** *Ramienice plejstoceńskie* z Roztok koło Jasła. Pleistocäne Charen von Roztoki bei Jasło ... Warszawa (Nakładem Polskiego Towarzystwa Botanicznego) 1938. Oct.
*Publ.*: 30 Aug 1938 (date on p. 198), cover-t.p., p. 157-198, *pl. 10-13. Copy*: B. – Reprinted and to be cited from Acta Soc. Bot. Polon. 15(2): 157-198. *pl. 10-13.* 1938.

**Wolpert, Josef [Johann Baptist]** (1881-?), German (Franconian) botanist; Dr. phil. München 1909; assistant at the botanical division of the Kön. forstliche Versuchsanstalt, München 1911. (*Wolpert*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 515 (b. 26 Jun 1881); LS 40685.

BIOFILE: Anon., Allg. bot. Z. 17: 32. 15 Jan 1911 (app. München); Bot. Centralbl. 116: 192. 1911 (app. München); Öster. bot. Z. 61: 159. 1911 (app. München).

**18.229.** *Vergleichende Anatomie und Entwicklungsgeschichte von Alnus alnobetula und Betula* nebst einem Beitrag zur Mycorrhizenfrage. Inaugural-Dissertation zur Erlangung der Doktorwürde der Hohen philosophischen Fakultät (II. Sektion) der Kgl. Bayer. Ludwig-Maximilians-Universität zu München ... Jena (Verlag von Gustav Fischer) 1909. Oct.
*Publ.*: 8 Nov 1909 (in journal), p. [1]-33, *pl. 1. Copy*: B. – Reprinted and to be cited from Flora 100(1): 37-67. *pl. 1.* 1909.

**Wood, Alphonso** (1810-1881), American botanist and teacher; studied at Dartmouth College 1831-1834 and at Andover theological Seminary; teacher of Latin and natural science Kimball Union Academy, Meriden, N.H. 1835-1849; civil engineer in the construction of a railway between Rutland, Vt. and Albany, N.Y. 1849-1851; president of the Female Seminary, Cleveland, Ohio 1851-1857; professor at Terre Haute female College, Indiana 1858-1860; principal of the Clinton female seminary, Brooklyn 1861-1865, travelled to and along the Pacific Coast 1865-1866; in retirement at West Farms, N.Y. from 1867. (*A. Wood*).

HERBARIUM and TYPES: NY (originally at New York College of Pharmacy, see Rusby 1936). – Other material at GH, PH, YU. – *Letters* at GH, NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 515 (b. 17 Sep 1810, d. 4 Jan 1881); BM 5: 2352; CSP 6: 432 ("Wood, A."), 8: 1267, 12: 792; Ewan ed. 1: 49, 50, 51; GR p. 199; Hortus 3: 1207; Jackson p. 43, 357, 487; Lenley p. 440, 472; ME 1: 242, 3: 680 (index); PH 1-B; PR 10394; Rehder 5: 931; TL-1/1444; Tucker 1: 752-753, 2: xli, 3: 340; Zander ed. 10, p. 734, ed. 11, p. 837.

BIOFILE: Anon., Appleton's Cycl. Amer. biogr. 6: 591. 1889 (b. 17 Sep 1810, d. 4 Jan 1881); Bot. Centralbl. 5: 255. 1881 (d.), 7: 223-224. 1881 (obit. not.); Bot. Gaz. 6(2): 168. 1881 (obit. not.); Bronx Borough Record and Times 19 Apr 1903, 2 p. (biogr.

sketch, portr.); Bull. Torrey bot. Club 8(1): 12. 1881 (obit. not.); Natl. Cycl. Amer. biogr. 14: 278. 1917.
Bacon, A.E., Vermont bot. Club Bull. 3: 21-26. 1908 (biogr. sketch).
Eggleston, W.W., Agric. Libr. notes 2(5-7): 95-100. 1927 (bibl.).
Ewan, J., Southw. Louisiana J. 7: 23. 1967 (on his Class-Book).
Ewan, J. et al., Short. hist. bot. U.S. 8, 44, 116. 1969.
Lyon, C.J., Dartmouth Alumni Mag. 31: 18, 81-82. 1939 (class-book: 800.000 copies, 50 editions); Science 101: 484-486. 1945 (Centennial of "Class-book of botany").
Merrill, E.D., Rhodora 50: 101-130. 1948 (overlooked names in W.'s publ.); Amer. Fern J. 38: 142-148. 13 Jan 1949 (unlisted fern names A. Wood).
Rudolph, E.D., Arch. nat. Hist. 10(3): 464, 466, 468. 1982.
Rusby, H.H., J. New York Bot. Gard. 37: 235-237. 1936 (on W.'s herbarium; bequeathed to New York College of Pharmacy which came to NY; other material in Canby herbarium at NY).
Willis, O.R., Bull. Torrey bot. Club 8(5): 53-56. 1881 (obit., portr.), also publ. in Eastern State Journal, reprint 6 p. Copy at NY).
Wood, A., Bull. Torrey bot. Club 3: 18-19. 1872 (on W.'s drying press: a wire press described in his Botanist and Florist 15. 1870).

NOTE: See Merrill (1948) for a list of overlooked names in Wood's publications.

**18.230.** *A class-book of botany*, designed for colleges, academies, and other seminaries where the science is taught. In two parts: part I. The elements of botanical science. Part II. The natural orders, illustrated by a flora of the Northern United States, particularly New England and New York ... Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1845. Duod. (in 6-s). (*Class-book bot.*).
*Ed. 1*: 1845 (p. 5: 22 Jun 1844; copyright 1844), 2 parts. *Copies*: HH, MO, NY. – For a list of further editions see Eggleston (1927) and Merrill (1948).
*1*: 1845, p. [i-ii], [1]-124.
*2*: 1845, p. [i]-ii, 3-474.
*Ed. 2(a)*: 1847 (p. 5: Apr 1847), p. [i-ii], [1]-645. *Copies*: HH, NY, USDA. – Second edition, revised and enlarged. Boston (id.), Claremont, N.H. (id.) 1847.
*Ed. 2(b)*: 1847, p. [i-ii], [1]-645. *Copies*: HH, NY. – As 2a but imprint Claremont, N.H. (Manufacturing Company, Simeon Ide, Agent) 1847.
*Ed. 2(c)*: 1848, p. [i-ii], [1]-645. *Copies*: HH, MO, NY. – Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1848.
*Ed. 2(d)*: 1848, p. [i-ii], [1]-645, [i]-iv (language of flowers). *Copies*: HH, NY. – Claremont, N.H. (Manufacturing Company, Simeon Ide, Agent). 1848.
*Ed. 10(a)*: 1849, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, NY. – Tenth edition, revised and enlarged. Boston (published by Crocker & Brewster). Claremont, N.H. (Simeon Ide) 1849. – *Note*: Even if eds. 2(b-d) were counted as eds. 3-5; eds. 6-9 are still lacking. Neither Eggleston nor we found copies of other editions in this range. The same is true of similar gaps below.
*Ed. 10(b)*: 1849, as 10(a) but Claremont, N.H. (Manufacturing Company, S. Ide) 1849, n.v.
*Ed. 10(c)*: 1850, p. [i-ii], [1]-645, [i]-iv]. *Copy*: NY. – Tenth edition, revised and enlarged. Claremont, N.H. (Manufacturing Company. Simeon Ide, Agent) 1850.
*Ed. 10(d)*: 1850, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, USDA. – Tenth edition, revised and enlarged. Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1850.
*Ed. 17(a)*: 1851, p. [i-ii], [1]-645, [i]-iv. *Copies*: MO, NY. – Seventeenth edition, revised and enlarged. Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1851.
*Ed. 17b*: 1851: as 17(a) but: Claremont, N.H. (Manufacturing Company) 1851, n.v.
*Ed. 23(1)*: 1851, p. [i-ii], [1]-645, [i]-iv. *Copy*: USDA. – Twenty-third edition, revised and enlarged. Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1851.
*Ed. 23(b)*: 1851, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, NY. – Twenty-third edition, revised and enlarged. Claremont, N.H. (Manufacturing Company. Simeon Ide, Agent) 1851.

*Ed. 29(a)*: 1853, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, NY. – Twenty-ninth edition, revised and enlarged. Boston (published by Crocker & Brewster). Claremont, N.H. (Simeon Ide) 1853.

*Ed. 29(b)*: 1853, p. [i-ii], [1]-645, [i]-iv. *Copies*: MO, USDA. – Claremont, N.H. (Manufacturing Company, Simeon Ide, Agent) 1853.

*Ed. 35(a)*: 1854, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, MICH, USDA. – Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1854.

*Ed. 35(b)*: 1854, as ed. 35(a) but with: Claremont, N.H. (Manufacturing Company, S. Ide) imprint. *Copy*: MO.

*Ed. 41(a)*: 1855, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, MO, NY, USDA. – Forty-first edition, revised and enlarged. Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1855.

*Ed. 41(b)*: 1855, p. [i-ii], [1]-645, [i]-iv. *Copies*: MICH, NY. – Forty-first edition, revised and enlarged. Claremont, N.H. (Manufacturing Company, Simeon Ide, Agent) Boston (Crocker & Brewster) 1855.

*Ed. 41(c)*: 1856, p. [i-ii], [1]-645, [i]-iv. *Copies*: MICH, NY. – Forty-first edition, revised and enlarged. Boston (published by Crocker & Brewster), Claremont, N.H. (Simeon Ide) 1856.

*Ed. 41(d)*: 1856, p. [i-ii], [1]-645, [i]-iv. *Copies*: HH, MO, NY, USDA. – Forty-first edition, revised and enlarged. Claremont, N.H. (Manufacturing Company, Simeon Ide, Agent), Boston (Crocker & Brewster) 1856.

*Ed. 41(e)*: 1866, as 41(f) but with date 1866 (n.v.).

*Ed. 41(f)*: 1868, p. [i-ii], [1]-645. *Copies*: HH, MO. – Forty-first edition, revised and enlarged. New York (published by A.S. Barnes & Co., ...) 1868.

*Ed. 41(g)*: 1869, as 41(f) but with date 1869 (n.v.); also with date 1873 (*copy*: MO).

*Ed. 41(h)*: s.d., p. [i-ii], [1]-645, [i]-iv. *Copy*: NY. – Forty-first edition, revised and enlarged. Troy, N.Y. (Merriam, Moore and Co.), New York (A.S. Barnes and Co.) s.d.

*Ed. 41(i)*: s.d., p. [i-ii], [1]-645, [i]-iv. *Copies*: PH, US. – Forty-first edition, revised and enlarged. New York (A.S. Barnes & Burr, Publishers ...), Troy, N.Y. (Moore and Nims) s.d.

*Ed. 41(k)*: s.d., p. [i-ii], [1]-645, [i]-iv. *Copies*: MO, USDA. – Forty-first edition, revised and enlarged. Troy, N.Y. (Moore and Nims), New York (A.S. Barnes and Co.) s.d.

*Ed. s.n. (a)*: 1860 (p. vi: Mai 1860), p. [i*-iii*], [i]-viii, [9]-174. *Copies*: HH, MO. – Contains only the original part 1. – *Class book of botany*. Being outlines of the structure, physiology and classification of plants. With a flora [N.B. not present!] of all parts of the United States and Canada ... New York (published by A.S. Barnes & Burr ...) 1860. Oct.

*Ed. s.n.(b)*: 1861 (p. vi: 1 Dec 1860), p. [i]-viii, [9]-832. *Copies*: HH, MO, NY, USDA. – *Class book of botany*: being outlines of the structure, physiology, and classification of plants; with a flora of the United States and Canada ... New York (Published by A.S. Barnes & Burr ...) 1861. Oct.

*Ed. s.n. (c)*: 1862, p. [i]-viii, [9]-832. *Copies*: MO, USDA. – New York (published by A.S. Barnes & Burr ...) 1862. Oct.

*Ed. s.n. (d)*: 1863, p. [i]-viii, [9]-832. *Copies*: HH, NY, USDA. – New York (id.) 1863. Oct.

*Ed. s.n. (e)*: 1864, p. [i]-viii, [9]-832. *Copies*: PH, USDA. – New York (id.) 1864. Oct.

*Ed. s.n.(f)*: 1865, p. [i]-viii, [9]-832. *Copies*: HH, MO, NY, PH, USDA. – New York (id.) 1865. Oct.

*Ed. s.n.(g)*: 1866, p. [i]-viii, [9]-832. *Copy*: USDA. – New York (A.S. Barnes & Co., ...), Troy (Moore & Nims) 1866. Oct.

*Ed. s.n.(h)*: 1866, p. [i]-viii, [9]-832. *Copies*: HH, MO. – New York (A.S. Barnes & Company, ...) 1866.

*Ed. s.n.(i)*: 1867, p. [i]-viii, [9]-832. *Copy*: NY. – New York (A.S. Barnes & Co., ...) Troy (Moore & Nims) 1867. Oct.

*Ed. s.n.(k)*: 1868, p. [i]-viii, [9]-832. *Copy*: NY. – New York (id.), Troy (id.) 1868. Oct.

*Ed. s.n.(l)*: 1869, p. [i]-viii, [9]-832. *Copies*: HH, NY, USDA. – New York (id.), Troy (id.) 1869. Oct.

*Ed. s.n.(m)*: 1870: p. [i]-viii, [9]-832. *Copies*: HH, NY, USDA. – New York (id.), Troy (id.) 1870. Oct.

*Ed. s.n.(n)*: 1871, as (m), 1871 (n.v.).

*Ed. s.n.(o)*: 1872, p. [i]-viii, [9]-832. *Copy*: NY. – New York (id.), Troy (id.) 1872. Oct.
*Ed. s.n.(p)*: 1873, p. [i]-viii, [9]-832, *pl. 1-5* (uncol. liths.). *Copy*: USDA. – New York (id.), Troy (id.) 1873. Oct.
*Ed. s.n.(q)*: 1874, as (p) 1874, n.v.
*Ed. s.n.(r)*: 1875, p. [i]-viii, [9]-832, *pl. 1-5*. *Copies*: MO, USDA. – New York (id.), Troy (id.) 1875. Oct.
*Ed. s.n.(s)*: 1876, p. [i]-viii, [9]-832, *pl. 1-5*. *Copy*: NY. – New York and Chicago (A.S. Barnes & Company), Troy, N.Y. (H.B. Nims & Company) 1876. Oct.
*Ed. s.n.(t)*: 1877, p. [i]-viii, [9]-832, *pl. 1-5*. *Copies*: HH, USDA. – New York and Chicago (id.), Troy, N.Y. (id.) 1877. Oct.
*Ed. s.n.(u)*: s.d., p. [i]-viii, [9]-832. *Copy*: NY. – New York (A.S. Barnes & Co., ...), Troy (Moore & Nims) s.d. Oct. (reprint of ed. s.n.(l)).
*Ed. s.n.(v)*: s.d. (copyrighted 1875), p. [i]-viii, [9]-832. *Copies*: HH(2). New York & Chicago (A.S. Barnes & Company), Troy, N.Y. (H.B. Nims & Company) s.d. Oct.
*Ed. s.n.(w)*: s.d. copyrighted 1881, possibly reprinted several times), p. [i]-viii, [9]-843 [sic]. *Copies*: HH, MICH, NY, PH, USDA. – New York and Chicago (A.S. Barnes & Company), Troy, N.Y. (H.B. Nims & Company) s.d. Oct.
*Ed. s.n.(x)*: copyrighted 1881, possibly later issue with different t.p. and imprint), p. [i]-viii, [9]-843. *Copy*: PH. – New York, Cincinnati, Chicago (American Book Company ...) s.d.
*Note*: For overlooked names in Wood's Classbook see Merrill (1948, 1949).

**18.231.** *First lessons in botany*: designed for common schools in the United States ... Boston (Crocker and Brewster), Claremont, N.H. (Manufacturing Company, Simeon Ide, agent) 1856. (*First lessons bot.*).
*Publ.*: 1856, p. [1]-255. *Copies*: HH, NY.

**18.232.** *Leaves and flowers*: or, object lessons in botany. With a flora. Prepared for beginners in academies and public schools ... New York (Barnes & Burr, ...), Troy ... and sold by booksellers generally. 1863. Duod. (*Leaves flowers*).
*Publ.*: 1863 (p. 6: 23 Feb 1863), p. [1]-322. *Copy*: NY.
*Ed. 1867*: 1867, p. [1]-322. *Copies*: HH, NY. – New York (A.S. Barnes & Co. ...) Troy (Moore & Nims) 1867.
*Ed. 1873*: 1872, p. [1]-322. *Copies*: HH, NY. – Id.
*Ed. 1877*: 1877, p. [1]-346. *Copies*: HH, MO. – New York and Chicago (A.S. Barnes & Company), Troy, N.Y. (H.B. Nims & Company) 1877.
*Ed. s.d.*: p. [1]-346. *Copy*: MO. – Id.

**18.233.** *A sketch of the natural order Liliaceae*, as represented in the flora of the States of Oregon and California, with special reference to the plants collected in an excursion along our Pacific coasts, a.d. 1866 ... From the Proceedings of the Academy of Natural Sciences of Philadelphia, June, 1868. Oct.
*Publ.*: Jun 1868, p [1]-10. *Copy*: HH. – Reprinted and to be cited from Proc. Acad. nat. Sci. Philadelphia 1868: 165-174.

**18.234.** *The American botanist and florist*: including lessons in the structure, life, and growth of plants; together with a simple analytical flora, descriptive of the native and cultivated plants growing in the atlantic division of the American Union ... New York and Chicago (A.S. Barnes & Company) 1870. Oct. (*Amer. bot. fl.*).
*Ed. [1]*: 1870 (Bot. Zeit. 11 Nov 1870), p. [i-ii], [1]-172, [1]-392. *Copies*: HH, MO, NY, PH, USDA.
[*Ed. 2*]: 1871, p. [i-ii], [1]-172, [1]-444, [445, err.]. *Copies*: NY, USDA.
[*Ed. 3*]: 1872, p. [i-ii], [1]-172, [1]-447. *Copies*: MO, NY, USDA.
[*Ed. 4*]: 1873, p. [i-ii], [1]-172, [1]-447. *Copies*: HH, NY, USDA. – Actually simply a revision of the 1872 ed.
[*Ed. 5*]: 1874, p. [i-ii], [1]-172, [1]-447. *Copy*: NY. – Id.
[*Ed. 6*]: 1875, p. [i-ii], [1]-172, [1]-448. *Copies*: NY, USDA. – Id.
[*Ed. 7?*]: s.d., p. [i-ii], [1]-172, [1]-149. *Copies*: HH, PH. – New York and Chicago (A.S. Barnes & Company), Troy, N.Y. (H.B. Nims & Company) s.d. Oct.
[*Ed. 8*]: 1889, p. [i]-vi ("Mar 1889"), [i]-vi, [1]-220, [1] or [15]-449. *Copies*: H, MO,

NY, PH, USDA. – *The new American botanist and florist* ... revised and edited by Oliver R [Rivington] Willis [1815-1902], ... copyright 1870 and 1889, by A.S. Barnes & Company, New York and Chicago. Oct. (*New Amer. bot. fl.*), (rev. TBC 10 Apr 1890 as of 1889). – A reissue 1898 is mentioned in Bot. Centralbl. 12 Oct 1898 and Nat. Nov. Nov(1) 1898.

**18.235.** Wood's *illustrated plant record*, with King's check tablets, for the rapid and systematic analysis of plants. Adapted to any American botany. New York, Cincinnati, Chicago (American Book Company ...) s.d. [1877]. Oct. (*Ill. pl. rec.*).
*Publ.*: 1877, (p. [3]: 14 Feb 1877), p. [1]-21, [22-23], 85 pp. of forms. *Copy*: HH.

**18.236.** *Flora atlantica*. Descriptive botany; being a succinct analytical flora, including all the plants growing in the United States from the Atlantic coast to the Mississippi River. From the American botanist and florist ... New York, Chicago, and New Orleans (A.S. Barnes & Company) 1879. Oct. (*Fl. atl.*).
*Publ.*: 1879 (Nat. Nov. Aug(2) 1879; Bot. Zeit. 5 Dec 1879), p. [i]-iv, [1]-448. *Copies*: HH, MO, NY, PH, USDA.
*Other issue*: s.d., p. [i]-iv, [1]-449 [sic]. *Copies*: NY, USDA.

**18.237.** *Fourteen weeks in botany* ... New York, Chicago, and New Orleans (A.S. Barnes & Company) 1879. Duod. (*Fourteen weeks bot.*).
*Co-author*: J. Dorman Steele.
*Publ.*: 1879 (Bot. Gaz. rev. Nov 1879), p. [i-ii], col. frontisp., [iii]-xii, [13]-318. *Copies*: HH, MO, NY.
*Later issued* as *How to study plants*, or, introduction to botany, being an illustrated flora, p. [i-ii], col. frontisp., [iii]-xii, [xiii-xiv], [13]-318. [1882], New York, Chicago, and New Orleans (id.) s.d.; further re-issue: 1895 with different pagination (*copy*: NY).

**Wood, Horatio C** (1841-1920), American physician, entomologist and botanist; M.D. Pennsylvania Univ., Philadelphia 1862; practicing physician from 1865; professor of botany Pennsylvania 1866-1876; professor of diseases of the nervous system 1875-1902, id. of materia medica & therapeutics 1876-1906; emeritus professor from 1906. (*H.C. Wood*).

HERBARIUM and TYPES: Unknown (Pennell 1943).

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 350; Barnhart 3: 516 (b. 13 Jan 1841, d. 3 Jan 1820); BM 5: 2352; DAB 20: 459-460; De Toni 1: cxxxiv; DNB 14: 495-497; Jackson p. 359; Kelly p. 243; LS 29238; ME 1: 243, 3: 680 (index); Morren ed. 10, p. 130; NI 2181; Nordstedt p. 34; PH 247, 450, 567; Rehder 5: 931. SIA see index; Tucker 1: 753, 3: 340.

BIOFILE: Allibone, S.A., Crit. dict. Engl. lit. 3: 2819. 1880, suppl. 2: 1543. 1891.
Anon., Amer. men sci. eds. 1-3. 1906-1921; J. Amer. med. Assoc. 74(2): 120. 1920 (id.); Natl. Cycl. Amer. biogr. 13: 569-570. 1906; Science 51: 106-107. 1920 (obit.); Who's who Amer. 1899-1919; Who was who Amer. 1: 1373. 1968.
Beates, H., Jr., Amer. J. Pharm. 77: 376-379. 1905 (biogr. sketch, portr.).
Chamberlain, R.V., Entom. News 31(4). 115-118. 1920 (obit.).
Fischer, I., ed., Biogr. lex. Ärzte ed. 3. 2: 1706. 1962.
Gunthrop, H., Canad. Entom. 52(5): 112-114. 1920 (on his papers on Myriapoda).
Harshberger, J.W., Bot. Philadelphia 316-319. 1899.
Osborn, H., Fragm. Entom. Hist. 227. 1937.
Pennell, F.W., Bartonia 22: 16. 1943.
Prescott, G.W., Bibl. Desmid. Univ. 560. 1984.
Roth, G.B., Isis 30: 38-45, *1 pl.* 1939 (biogr. sketch, portr.); Biogr. Mem. Natl. Acad. Sci. 33: 462-484. 1959 (biogr., portr., bibl.).
Wood, H.C., Bibliographical record 1860-1900 [Philadelphia 1900], 25 p. (*copy*: PH).

*Note on name*: In his youth Horatio C Wood Jr., later Horatio C Wood Sr. as distinct

from his son's name Horatio Charles Wood Jr. (1874-?). The "C" was a compromise: his father wanted Curtis, his mother Charles.

**18.238.** *Contributions to the Carboniferous flora of the United States* ... [Proc. Acad. nat. Sci. Philadelphia ... 1860]. Oct.
*Publ.*: Jun 1860, p. 236-240, *pl. 4-6. Copy*: NY; IDC 5371. – Reprinted and to be cited from Proc. Acad. nat. Sci. Philadelphia 12: 236-240. 1800. – Continuation ib. p. 519-522.

**18.239.** *Prodromus of a study of North American fresh water algae* ... [Philadelphia 1869]. Oct.
*Publ.*: 18 Jun 1869 (possibly publ. later), cover, p. 119-145. *Copies*: B, G, NY, PH. – Reprinted and to be cited from Proc. Amer. philos. Soc. 11: 119-145. 1869.

**18.240.** *A contribution to the history of the fresh-water algae of North America* ... Smithsonian Contributions to Knowledge [1872]. Qu. (*Contr. fresh-wat. alg. N. Amer.*).
*Publ.*: Jan 1873 (p. iii: Oct 1872; date of publ. on cover-t.p.), cover-t.p., p. [i]-ix, [1]-262, *pl. 1-21* (liths. by auth., several col.). *Copies*: FH, G, HH, MICH, MO, NY. – Issued as Smiths. Contr. Knowledge 24.

**Wood, John Bland** (1813-1890), British physician and bryologist; studied at Dublin, Edinburgh and London; practicing physician at Broughton nr Manchester; ultimately in retirement at Withington. (*J.B. Wood*).

HERBARIUM and TYPES: MANCH (bryoph.); Further material at DBN, HFX (1400, see Kent & Allen 1984), K, NMW, OXF, SWN, WAR. – *Letters* at BM, K, MANCH, OXF. – For his correspondence see Wm. A. Lee (1920).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 516; BB p. 333; BM 5: 2352; Clokie p. 267; CSP 6: 433; Desmond p. 673; Jackson p. 256; PR 10395; Tucker 1: 753.

BIOFILE: Boswell, H., J. Bot. 28: 86-87. 1890 (obit., b. 3 Dec 1843, d. 11 Feb 1890).
Dallman, A.A. & M.H. Wood, Trans. Liverpool Bot. Soc. 1: 108. 1909 (herb. at Manchester Museum).
Kent, D.H. & D.F. Allen, Brit. Irish herb. 278. 1984 (coll. phan.).
Lee, Wm. A., Lancashire Natural. 13: 41-44. 1920 (correspondence: 26 letters relating to bryology at LIV, 1858-1866).
Sayre, G., Bryologist 80: 520. 1977 (bryoph. herb. MANCH).
Warren, J.B.L., *in* S. Moore, ed., Fl. Cheshire xcii. 1899.

**18.241.** *Flora mancuniensis*; or a catalogue of the flowering plants, the ferns and their allies, found (indigenous) within fifteen miles of Manchester, arranged according to the Linnaean system; by John B. Wood, ... assisted by Messers Grindon, Buxton, Crozier Crowther, and others. Halifax (published by the Manchester Mechanic's Institution Natural History Society and printed for them by Leyland and Son) 1840. Oct. (in 4-s). (*Fl. mancun.*).
*Publ.*: 1840 (p. v: 6 Jun 1840), p. [i*], [i]-ix, [1]-81. *Copies*: HH, NY.

**Wood, John Medley** (1827-1915), English-born South African botanist; in the East Indian merchant service ca. 1845-1852; emigrated to South Africa 1852; trading store owner Inanda, Natal 1852-1882; curator of the Natal Botanic Garden, Durban 1882-1908; director of the Natal Garden and Herbarium 1900; director of the Natal Herbarium 1913; D.Sc. h.c. Univ. Cape Good Hope 1913. (*J.M. Wood*).

HERBARIUM and TYPES: NH. – Further material at A, B (mainly destr.), BM, BOL, BR, C, DPU, E, F, G, K, LCU, M, MANCH, MIN, MO, P, PH, PRE, SAM, UPS, US, VT, W. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 516 (b. 1 Dec 1827, d. 26 Aug 1915); BB p. 333; BL 1: 48, 49, 324; BM 2: 549, 5: 2353, 8: 1452; Bossert p. 442; Desmond p. 673;

Hortus 3: 1207; Jackson p. 496; Morren ed. 10, p. 115; NI 2182, Nachtr.; PH 567; Rehder 5: 931; Tucker 1: 753, 3: 340; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Bull. misc. Inf. Kew 1897: 229, 1910: 373, 1913: 158 (D.Sc. h.c. Univ. Cape); Hedwigia 57: (151). 1916 (d.); Nature 96: 174-175. 1915 (obit.); Science n.s. 42: 641. 1915.
Bayer, A.W., S. Afr. Tydskr. Wetenschap 67: 403, 406. 1971.
Bews, J.W., Ann. Bolus Herb. 2: 33-36. 1916 (obit., portr.).
Brown, N.E., Bull. misc. Inf. Kew 1915: 417-419 (obit.).
Bullock, A.A., Bibl. S. Afr. bot. 130-131. 1978.
Doidge, E., Bothalia 5: 1028. 1950.
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Gager, C.S., Brooklyn Bot. Gard. Rec. 27(3): 325, 326. 1938.
Gunn, M. & L.E. Codd, Bot. expl. S. Afr. 379-381. 1981 (extensive details, portr., handwriting).
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Lowden, R.M., Taxon, Index pers. names vols. 1-30. 804. 1985.
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Phillips, E.P., S. Afr. J. Sci. 27, 48, 50-51, 56, 57, 63, 68. 1930.
Schrire, B.D., Bothalia 14(2): 225. 1983 (centenary Natal herbarium).
Squire, A.W.L., Bull. Afr. Succ. Pl. Soc. 5(6): 223. 1971.
Stapf, O., Proc. Linn. Soc. 128: 73-74. 1916.
White, A. & B.L. Sloane, The Stapelieae ed. 1. 120. 1937.

HANDWRITING: M. Gunn & L.E. Codd, Bot. expl. S. Afr. 380. 1981.

EPONYMY: *Woodia* Schlechter (1894); *Woodiella* P.A. Saccardo et P. Sydow (1899). *Note*: *Woodiella* Merrill (1922) and the derived genus *Woodiellantha* Rauschert (1982) were named for D.D. Wood who was a forester in Borneo.

**18.242.** *Classification of ferns* ... Printed for the [Natal Microscopical] Society ... Durban, Natal (printed for the Society by John Sanderson & Co.) 1879. (*Classif. ferns*).
*Publ.*: Sep-Dec 1879 (read at Natal Microscopical Society 26 Aug 1879), p. [1]-12, *1 pl.* *Copy*: NY. – Reprinted from the Natal Colonist (journal n.v.).

**18.243.** *An analytical key to the natural orders and genera of Natal indigenous plants* ... Durban (printed for Robinson, ...) 1888. (*Anal. key Natal pl.*).
*Publ.*: 1888 (p. iii: Jul 1888), cover-t.p., p. [i]-iii, [1]-49. *Copy*: HH.

**18.244.** *Catalogue of plants in Natal botanic gardens*, Durban ... Durban (T.L. Cullingworth, ...) 1890. (*Cat. Natal bot. gard.*).
*Publ.*: Sep 1890, cover, p. [i-iv], [1]-85. *Copies*: HH, MO, USDA.

**18.245.** Durban botanic Society. *Report on Natal Botanic Gardens* for the year *1890* ... Durban (Printed by Robinson, Vanse & Co., ...) 1891. (*Rep. Natal Bot. Gard. 1890*).
*1890*: 1891 (p. [3]: Jan 1891), p. [1]-34. *Copy*: HH.
*1896*: 1897 (p. [5]: Jan 1897), p. [1]-31. *Copy*: HH.
*1898*: 1899, p. [1]-59. *Copy*: HH.
*1899*: 1900 (p. [7]: Jan 1900), p. [1]-28. *Copy*: HH.
*1900*: 1901 (p. [7]: Jan 1901), p. [1]-26. *Copy*: HH.
*1901* (1 Jan-30 Jun): Jul 1901 (p. [7]: Jul 1901), p. [1]-31. *Copy*: HH.
*1901* (1 Jul)-*1902* (30 Jun): Jul 1902 (p. [7]: Jul 1902), p. [1]-38. *Copy*: HH.
*1902* (1 Jul)-*1903* (30 Jun): Jul 1903 (p. [7]: Jul 1903), p. [1]-38. *Copy*: HH.
*1903* (1 Jul)-*1904* (30 Jun): Jul 1904 (p. [7]: Jul 1904), p. [1]-43. *Copy*: HH.
*1905* (1 Jul)-*1906* (30 Jun): Jul 1905 (p. [7]: Jul 1905), p. [1]-34. *Copy*: HH.
*1909* (1 Jul)-*1910* (30 Jun): Jul 1910 (p. [7]: Jul 1910), p. [1]-20. *Copy*: HH.
*Note*: HH and MO also have a series of *Colonial Herbarium*. Report for the year 1895, 1897, 1898, 1899, 1900, 1 Jan 1901-30 Jun 1901, id. 1901-1902, id. 1902-1903, id. 1903-1904, id. 1905-1906, id. 1909-1910.

**18.246.** *Preliminary catalogue of indigenous Natal plants* ... Durban, Natal ("Natal Mercury" Steam printing works) 1894. (*Prel. cat. Natal pl.*).
*Publ.*: Aug-Oct 1894 (p. 4: Jul 1894; copy G rd. 21 Dec 1894), p. [1]-47. *Copies*: G, HH, NY, USDA.

**18.247.** *Guide to the trees and shrubs in the Natal Botanic Gardens*, Durban ... Durban (Bennett & Davis, ...) 1897. (*Guide trees Natal Bot. Gard.*).
*Publ.*: 1897, p. [1]-70, *1 pl. Copies*: HH, USDA.

**18.248.** *Natal plants.* Descriptions and figures of Natal indigenous plants, with notes on their distribution, economic value, native names, &c., &c. ... vol. 1. – part 1. Containing fifty figures and descriptions. Durban (Bennett & Davis, ...) 1898. Qu. (*Natal pl.*).
*Co-author* for vol. 1: Maurice Smethurst Evans (b. 1854).
*1(1)*: 1898 (J. Bot. Aug 1898), p. [i], [1]-41, *pl. 1-50* (uncol. liths.).
*1(2)*: 1899 (J. Bot. Oct 1899), p. [i], 43-81, [82-83, indexes], *pl. 51-100.*
*2 (Grasses)*: 1899 (J. Bot. Mai 1900), p. [i], *pl. 101-125* with text. – Durban (Robinson & Co., ...).
*2 (Grasses)(2)*: 1900 (J. Bot.), p. [i], *pl. 126-150* with text.
*2 (Grasses)(3)*: 1903 (J. Bot.), p. [i], *pl. 151-175* with text.
*2 (Grasses)(4)*: 1904 (J. Bot. Aug 1904), p. [i* gen. t.p.], [i-iii], *pl. 176-200* with text, [1-3, notes], [1-3, indexes].
*3(1)*: 1900, p. [1]-27, *pl. 201-225.* – Durban (Bennett & Davis).
*3(2)*: 1901 (J. Bot. Jul 1901), p. [1]-27, *pl. 226-250.*
*3(3)*: 1902 (J. Bot. Jun 1902; Bot. Centralbl. 1 Jul 1902), p. [1]-27, *pl. 251-275.*
*3(4)*: 1902 (J. Bot. Sep 1902; Bot. Centalbl. 9 Sep 1902), p. [i*-vii* preface material volume 3], [i], p. 7-31, *pl. 276-300.*
*4(1)*: Oct 1903 (in vol.; J. Bot. Dec 1903), p. [1], *pl. 301-325* with text.
*4(2)*: Jul 1904 (in vol.; J. Bot. Oct 1904), p. [i], *pl. 326-350* with text.
*4(3)*: Jun 1905 (in vol.; J. Bot. Oct 1905), p. [i], *pl. 351-375* with text.
*4(4)*: Mai 1906 (in vol.; J. Bot. Aug 1906), p. [i*-vi*, preface material vol. 4, incl. err. and dates], p. [i], *pl. 376-400.*
*5(Grasses)(1)*: Dec 1904, p. [i], *pl. 401-425* with text. – Durban (Robinson & Co., ...).
*5 (Grasses)(2)*: Jul 1905, p. [i], *pl. 426-450* with text.
*5(Grasses)(3)*: Mar 1906, p. [i], *pl. 451-475* with text.
*5(Grasses)(4)*: Jun 1908, p. [i*-viii*, preface material vol. 5], *pl. 476-500* with text.
*6(1)*: Mai 1909, p. [i], *pl. 501-525* with text ... Durban (Bennett & Davis, ...).
*6(2)*: Dec 1910,, p. [i], *pl. 526-550* with text.
*6(3)*: Jul 1911 (in vol., J. Bot. Jul 1912), p. [i], *pl. 551-575* with text.
*6(4)*: Apr 1912, p. [i*-iii* preface material vol. 6], [i], *pl. 576-600* with text, [1-2, index], [1-2, errata].
*Copies*: BR, G, HH, MO, NY, PH, US, USDA. – *Artists*: F. Lanth, M. Franks, W.J. Haygarth. – N.E. Brown (1915) mentions the existence of 72 further plates (unpublished) for vol. 7.
*Facsimile ed.*: 1970, Verlag von J. Cramer, Lehre, Hist. nat. class. 74. *Copies*: BR, FAS. – See F.A. Stafleu, Taxon 29: 418-419. 1970.

**18.249.** *A handbook to the flora of Natal*, ... Durban, Natal (Bennett & Davis, ...) 1907. Oct. (*Handb. fl. Natal*).
*Publ.*: 1907 (Nat. Nov. Oct(1) 1907; Bot. Centralbl. 10 Dec 1907), p. [1]-202. *Copies*: BR, G, H, HH, NY.
*See also*: *Revised list of the flora of Natal*, Trans. S. Afr. philos. Soc. 18(2): 121-280. 20 Feb 1908, and *id.*, *Supplement*: Trans. R. Soc. S. Afr. 1: 453-472. Jan 1910 (*copy*: MO).

**18.250.** *List of trees, shrubs*, and a selection of herbaceous plants growing in the *Durban* municipal *Botanic Gardens*, with a few remarks on each ... Durban (Bennett & Davis, ...) 1915. (*List trees Durban Bot. Gard.*).
*Publ.*: 1915, p. [i-iii], [1]-111. *Copy*: HH.

**Wood, Joseph Garnett** (1900-1959), Australian botanist; studied at Adelaide and Cambridge (U.K.); Dr. phil. 1932; assistant (demonstrator) Univ. Adelaide 1922-1927,

lecturer in botany, Adelaide Univ. 1927-1934, professor in botany ib. 1935-1959. (*J.G. Wood*).

HERBARIUM and TYPES: ADU (if any). – *Letters* at Basser Library, Adelaide (corr. with colleagues 1938-1949).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 516; BL 1: 71, 73, 324.

BIOFILE: Anon., Austral. J. Sci. 22: 10. 1960; Who's who Australia 1935: 498-499, 1941: 703-704, 1950: 769.
Eardley, C.M., Trans. R. Soc. S. Austral. 84: 1-9. 1961 (obit., portr., bibl.).
Osborn, T.G.B., Nature 185: 4709. 1960; Plant and Soil 15: 281-283. 1961 (obit.).

**18.251.** *Floristics and ecology of the Mallee* ... from "Transactions of the Royal Society of South Australia" ... 1929. Oct.
*Publ.*: Nov-Dec 1929 (read 10 Oct 1929), cover-t.p., p. 359-378. *Copy*: US. – Reprinted and to be cited from Trans. R. Soc. S. Australia 53: 359-378. 1929.

**18.252.** *An analysis of the vegetation of Kangaroo Island* and the adjacent peninsulas ... From "Transactions of the Royal Society of South Australia" ... 1930. Oct.
*Publ.*: Jul-Dec 1930 (read 12 Jun 1930), cover-t.p., p. 105-139. *Copies*: NY, US. – Reprinted and to be cited from Trans. R. Soc. S. Australia 54: 105-139. 1930.

**18.253.** *The vegetation of South Australia* ... Adelaide (Frank Trigg, Government Printer) 1937. Oct. (*Veg. S. Australia*).
*Publ.*: Mar 1937, p. [1]-164. *Copy*: PH.
*Later edition*: R.L. Specht, *The Vegetation of South Australia*, Adelaide 1972, 328 p. – A new work, "largely restructured and rewritten ..." (Kew Bull. 1974: 249-250).

**Wood, Thomas Fanning** (1841-1892), American physician and botanist; assistant surgeon in the American civil war; afterwards practicing physician in Wilmington, N.C.; Dr. med. h.c. Univ. of Maryland 1868. (*T.F. Wood*).

HERBARIUM and TYPES: Unknown. – *Letters* at GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 516 (b. 23 Feb 1841, d. 22 Aug 1892); BL 1: 205, 324; PH 323, 567; Rehder 5: 931; TL-2/5157; Tucker 1: 753.

BIOFILE: Anon., Natl. Cycl. Amer. biogr. 9: 276. 1899.

COMPOSITE WORKS: With Michael Gerald McCarthy (1858-1915), *Wilmington flora* 1886, see TL-2/5157. *Copies*: HH, NY, US.

**Wood, William** (1745-1808), British clergyman (nonconformist minister) at Debenham (Suffolk), Stamford (Lincolnshire) and Ipswich (Suffolk, 1770-1772), and Mill Hill Chapel, Leeds (1773-1808). (*W. Wood*).

HERBARIUM and TYPES: LES (see Kent & Allen 1984), LINN (fide D.L. Hawksworth). – *Letters* to J.E. Smith at LINN.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 516; BB p. 333-334; Desmond p. 673 (b. 29 Mai 1745, d. 1 Apr 1808); DNB 62: 379-380; Hortus 3: 1207; TL-2/8755.

BIOFILE: Hawksworth, D.L. & M.R.D. Seaward, Lichenol. Brit Isl. 1568-1975. 199. 1977.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 278. 1984 (coll.).
Smith, P., Mem. corr. J.E. Smith 1: 488.
Taylor, R.V., Biographia leodiensis 232-237. 1865 (biogr. sketch).
Warren, J.B.L., *in* Moore, S., ed., Fl. Cheshire xcii. 1899.

COMPOSITE WORKS: (1) Contributed botanical entries for letters B and C (as far as *Cyperus*) to A. Rees, *Cycl.*, see TL-2/8755 and D.J. Mabberley, Taxon 32(1): 79. 1983. (2) Contributed to J.E. Smith and J. Sowerby, *Engl. bot.* (nos. 57, 775) 1790-1792 and 1800 (TL-2/12.221).

**Woodcock, Hubert Bayley Drysdale** (1867-1957), British county courts judge on circuit and gardener; Q.C. 1923; for Leeds and Wakefield 1924-1935, Marylebone 1926-1940; had a garden at Lypiatt Park, Gloucestershire. (*Woodcock*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Bossert p. 442; Desmond p. 674 (b. 1867 at Antigua, d. 12 Feb 1957); Hortus 3: 1207; MW p. 536; NI 3: 69; Plesch p. 463; TL-2/see W.T. Stearn; Zander ed. 11, p. 838.

BIOFILE: Anon., Who's who (London) 1917-1957; Who was who 1951-1960: 1189.
Cotton, A.D., R. Hort. Soc. Lily Year Book 14: 9-10. 1950.
Stearn, W.T., R. Hort. Soc. Lily Year Book 21: 88-90. 1958 (obit., portr.).

**18.254.** *Lilies* their culture and management including a complete descriptive list of species ... London (Country Life Limited), New York (Charles Scribner's Sons) [1935]. Oct. (*Lilies*).
*Co-author*: John Coutts (1872-1952).
*Ed.* [*1*]: 1935 (copy BR invoiced 30 Jul 1935), p. [i-ii], frontisp., [iii]-xv, 1-242, [243, colo.], *98 pl.* (130 figs). *Copies*: BR, MO, NY, USDA.
*Ed. 2*: Sep 1936, p. [i-vi], vii-xv, [xvi], [1]-242. *Copy*: GB.
[*Ed. 3*]: 1950, with William Thomas Stearn, *Lilies of the world* their cultivation & classification ... London (Country Life Limited), New York (Charles Scribner's Sons) [1950], p. [1]-431, *pl. 1-136. Copies*: BR, G. – Although originally intended as a third edition, actually a new book.
[*Ed. 3*], *reprint*: 1952 (n.v.).

**Woodforde, James** (1771-1837), British physician and botanist; MD Edinburgh 1825. (*Woodforde*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 517; BB p. 334; BM 5: 2354; Desmond p. 674 (d. 6 Jul 1837); Jackson p. 252; Kelly p. 243; LS 29246; PR 10396, ed. 1: 11357; Rehder 1: 397; Tucker 1: 753.

EPONYMY: *Woodfordia* R.A. Salisbury (1806), honors E. James Alexander Woodford (*fl.* 1790's), English gardener.

**18.255.** *A catalogue of the indigenous phenogamic plants*, growing in the neighbourhood of *Edinburgh*; and of certain species of the class Cryptogamia: with reference to their localities ... Edinburgh (printed for John Carfrae, ...) London (Longman, Hurst, Rees, Orme, Brown, & Green) 1824. Duod. (in 6-s). (*Cat. phenog. pl. Edinburgh*).
*Publ.*: 1824 (p. xi: 12 Apr 1824), p. [i]-xi, [1]-86. *Copies*: G, MO, NY.

**Woodhead, Norman** (1903-1978), British botanist; demonstrator, later lecturer of botany at the University College of North Wales, Bangor. (*Woodhead*).

HERBARIUM and TYPES: NMW (18.000); Further material at UCNW (incl. types).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 517; BL 2: 315, 733; Hirsch p. 329; Kleppa p. 89; MW suppl. 396; Roon p. 125.

BIOFILE: Kent, D.H. & D.E. Allen, Brit. Irish herb. 278. 1984 (coll.).
Prescott, G.W., Bibl. Desmid. univ. 560-561. 1984.

VanLandingham, S.L., Cat. Diat. 4: 2384. 1971, 6: 3603. 1978, 7: 4240. 1978.
Woodhead, N., Personal comm. to senior author 1957 (types UCNW).

**18.256.** *Studies in the flora of Anglesey and Caernarvonshire Lakes* ... Arbroath (T. Buncle & Co., Ltd., ...) [1937]. Oct.
*Publ.*: 1937, cover-t.p., p. [160]-171. *Copy*: B. – Reprinted and to be cited from Northwestern Natural. 1937: 160-171.

**Woodhead, Thomas William** (1863-1940), British ecologist; Dr. phil. Zürich 1906; lecturer Huddersfield Technical College 1891; later head of the Biological Dept. ib. (*T.W. Woodhead*).

HERBARIUM and TYPES: Unknown; some material in EGHB, HDD, QMC (see Kent & Allen 1984).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 517; BL 2: 275, 733; Desmond p. 674; TL-2/11.174.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 260: 706-707. 1965.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 278. 1984.
Pearsall, W.H., Naturalist 779: 157-159. 1940 (appreciation, portr.); Proc. Linn. Soc. 152: 383-385. 1941 (appreciation, list publ.).

COMPOSITE WORKS: Collaborator C.J. Schröter et al., *Lebensgesch. Bl.-Pfl. Mitteleur. Pfl.* 1(1): 648-664. 1908 (*Butomaceae*, with O. Kirchner), see TL-2/11.174.

**18.257.** *Ecology of woodland plants* in the neighbourhood of Huddersfield. Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde vorgelegt der Hohen Philosophischen Fakultät (mathematisch-naturwissenschaftliche Sektion) der Universität Zürich ... Zürich 1906. Oct. (*Ecol. woodland pl.*).
*Publ.*: Oct 1906 (in journal), p. [i], [1]-74. *Copies*: G, H, HH, M, NY. – Reprinted and to be cited from Linn. Soc. J., Bot. 37: [333]-406. 1906. – See also his text-book *The study of plants* (1915, reprinted 1917, 1926).

**18.258.** *History of the vegetation of the Pennines* ... Reprinted from the Journal of Ecology ... 1929. Oct.
*Publ.*: Feb 1929, cover-t.p., p. [1]-34, *pl. 1-6. Copy*: B. – Reprinted and to be cited from J. Ecol. 17(1): 1-34, *pl. 1-6.* 1929.

**Woodruffe-Peacock,** [originally Peacock] **Edward Adrian** (1858-1922), British clergyman and botanist; studied at St. John's College, Cambridge 1877, at Durham University 1879; ordained 1881 (dean), 1883 (priest) curate at Long Benton, Northumberland 1881-1884; Barkingside, Essex (1884-1886), Harrington, Northamptonshire 1886-1890; from 1891 vicar at Cadney (*Woodr.-Peacock*).

HERBARIUM and TYPES: LCN; other material in NMW.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 59; BB p. 334; BL 2: 254, 255, 279, 733; BM 5: 2354; CSP 19: 705; Desmond p. 675 (b. 23 Jul 1858, d. 3 Feb 1922); GR p. 421; LS 29247; Tucker 1: 753.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 182: 404. 1963; Quart. J. Forestry 16: 137-138. 1922 (obit.).
Britten, J., J. Bot. 60: 161-162. 1922 (born E.A. Peacock; added his mother's name to his patronomic, obit.).
Gibbons, E.J., The flora of Lincolnshire 58-59. 1975 (mentions a check list of Lincolnshire plants of 1909).
Goulding, R.W., Naturalist 783: 137-139. 1922 (obit., portr.); Bot. Soc. Exch. Cl. Brit. Isl., Rep. 6(5): 712-714. 1923 (id.).
Hawksworth, D.L. & M.R.D. Seaward, Lichenol. Brit. Isl. 1568-1975. 173. 1973.

Horwood, A.R. & C.W.F. Noel, Fl. Leicestersh. Rutland ccxxix. 1933.
Kent, D.H., Brit. herb. 86. 1957.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 278. 1984 (coll.).
Seaward, M.R.D., Lincolnsh. Hist. Archeol. 6: 113-124. 1971 (main biogr., bibl., portr.).

**18.259.** *A check-list of Lincolnshire plants* ... Lincolnshire Naturalist's Union Transactions 1909. Part 1. [Louth 1909]. Oct.
*Publ.*: 1909 (preface: Oct 1906), cover-t.p., p. [1]-66. *Copies*: LIV, US. – Issued and to be cited as Trans. Lincolnsh. Natural. Union 2(1). 1909.
*Additions*: 1912, id. 1911: 290-299. 1912.
*Preliminary publ.*: 1895-1897. *A critical catalogue of Lincolnshire plants*, Naturalist 1894: 85-92, 133-140, 213-220, 257-264, 337-344; 1895: 95-102, map; 1896: 53-60, 181-188, 245-252, 309-316, 325-332; 1897: 133-140, 167-172. – See further BL 2: 254 and J. Bot. 48:166. 1910.

**Woods, Albert Fred** (1866-1948), American botanist; B.Sc. Univ. Nebraska 1890, M.A. ib. 1892; assistant ib. 1890-1893; with USDA as pathologist in the Division of vegetable Physiology and Pathology 1893-1900, and the Bureau of Plant Industry 1900-1910; dean of Minnesota State Agricultural College and director of its Experimental Station 1901-1917; president of Maryland State College 1917, from 1920-1926 id. of the University of Maryland; director of scientific work USDA 1926-1934, director of its graduate school 1926-1941, educational adviser 1941-1947. (*A.F. Woods*).

HERBARIUM and TYPES: NEB. – *Letters* at HI.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 517; BM 5: 2354; Bossert p. 442; De Toni 4: lxiv; Hirsch p. 329; Kelly p. 243; LS 9584, 29248-29253, 40688-40694; NW p. 61; PH 567; Rehder 5: 932; TL-2/10.339; Tucker 1: 753.

BIOFILE: Amer. men sci. eds. 1-8. 1906-1949; Bot. Centralbl. 57: 256. 1894 (app. USDA),85: 192. 1901 (chief Div. Physiol. USDA); Index Amer. bot. lit. 1886-1966, 4: 575-576. 1969 (bibl.); The New York Times 13 Apr 1948 (obit.); Who's who Amer. 1899-1949; Who's who Nation's Capital 1921-1922, 1923-1924, 1934-1935; Who was who Amer. 2: 591. 1950.
Cox, R.J., *in* J.F. Ohles, ed., Biogr. dict. Amer. educators 3: 1432-1433. 1978 (b. 25 Dec 1866, d. 12 Apr 1948).
Gibbons, F.J., Fl. Lincolnshire 58-59. 1975.
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Stieber, M.T., Bull. Hunt Inst. bot. Docum.2(2): 3-4. 1980 (portr.).

COMPOSITE WORKS: *Coleochaetaceae*, *Characeae*, *in* D.A. Saunders, *Fl. Nebraska*, *Protoph.-Phycoph.* part 2; reprinted: cover-t.p., p. 122-128, [129], *pl. 25-36*. 1894. TL-2/10.339.

**Woods, Joseph** (1776-1864), British architect and botanist; architect in London until 1833; from then on living at Lewes in retirement and dedicating himself to botany. (*J. Woods*).

HERBARIUM and TYPES: SWA (not traced) and SLBI (extant); further material at BM (*Rosa*), CGE, FI, K, NMW, OXF, SLBI (see Kent & Allen, 1984 and Allen, 1983). – *Letters* at K, LINN.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 629; Barnhart 3: 518; BB p. 334; BM 5: 2355; Clokie p. 267; CSP 6: 436; Desmond p. 675 (b. 24 Aug 1776, d. 9 Jan 1864); DNB 62: 409-410 (21: 880-881); Hegi 1: 12; Herder p. 170, 278, 280, 302, 341; Hortus 1207; Jackson p. 226; PR 10397; Rehder 5: 932; Tucker 1: 753; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Allen, D.E., Watsonia 14: 273-282. 1983 (herbaria).

Anon., Brit. Mus. gen. cat. print. books 260: 778-779. 1965; Flora 47: 221. 1864 (obit.); J. Bot. 2: 62-64 (obit.), 96 (herb. to F. Townsend). 1864; Proc. Linn. Soc. 1863-1864: xxxii-xli. 1864.
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EPONYMY: *Protowoodsia* Ching (1945); *Woodsia* ("*Woodia*") *R. Brown* (*1810*).

**18.260.** *A synopsis of the British species of Rosa* ... [Trans. Linn. Soc., London 1818]. Qu.
*Publ.*: 25 Feb 1818, in journal, p. 159-234. Tear-sheet copies at BR and HH from Trans. Linn. Soc. 12(1): 159-234. 1818. The copy at BR has mss. annotations from letters by J.G. Baker on this publication. See also Isis (Oken) 22: col. 602-616. 1829 and K.P.J. Sprengel, Jahrb. Gewächsk. 3: 77. 1820.

**18.261.** *Notes on a botanical excursion in France*, in the summer of 1843 ... From "The Phytologist", December, 1843. Oct.
*Publ.*: Dec 1843-Feb 1844 (in journal), p. [1]-35. *Copy*: FI. – Reprinted and to be cited from Phytologist 31: 785-801. Dec 1843, 32: 828-834. Jan 1844, 33: 853-865. Feb 1844.

**18.262.** *The tourist's flora*: a descriptive catalogue of the flowering plants and ferns of the British Islands, France, Germany, Switzerland, Italy, and the Italian Islands ... London (Reeve and Bentham ...) 1850. Oct. (in 4-s). (*Tourist's fl.*).
*Publ.*: 1850 (Kew J. Bot. Aug 1850; Flora 21 Nov 1850), p. [i*-iv*], [i]-lxxxii, *pl. 1* with 1 p. text, [1]-503, [504, err.]. *Copies*: G, HH, LIV, MO, NY(2).
*Ref.*: C-y, Bot. Zeit. 8: 806-808. 8 Nov 1850 (rev.).

**Woods, Julian Edmund Tenison** [Tenison-Woods] (1832-1889), British clergyman, naturalist and botanist; studied at Oxford; to Tasmania 1854 as a lay chaplain; to Australia 1855, working as a journalist and completing his theological studies; ordained priest Rom. Cath. Church 1857; parish priest of Penola, S. Australia 1857-1867; director of Catholic education for Australia 1867-1871; missionary in New South Wales and Queensland 1872-1883, from 1883 dedicating himself fully to natural history; pioneer Australian geologist. (*Ten.-Woods*).

HERBARIUM and TYPES: MEL. – Further material BRI, NSW and presumably CAL (Malaysian material see SK 1: 519). – *Drawings* at Mitchell Library, Sydney.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 339; Barnhart 3: 518 (b. 15 Nov 1832, d. 7 Oct 1889); BB p. 298, 334; BL 1: 69, 324; BM 5: 2355; Bossert p. 396, 442; CSP 6: 436, 8: 1270, 11: 564-566, 12: 724, 19: 54; Desmond p. 604; DNB 62: 410 (21: 881); HR; IF p. 733; Jackson p. 510, 511; LS 26417-26419; Quenstedt p. 425; Rehder 5: 932; SK 1: 518-519, 5: cccxxvi; TL-2/see W. Trelease; Tucker 1: 753, 3: 341.

BIOFILE: Anon., Austr. Encycl. 8: 454-455. 1965; Brit. Mus. gen. cat. print. books 779. 1965; Geol. Mag. 7: 288. 1890 (obit. not.); Proc. Linn. Soc. N.S.W. 4: 1301-1302. 1890.
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O'Neill, G., Life of the Rev. Julian Edmund Tenison-Woods (1832-1889). Sydney, Melbourne, Brisbane 1929 (biogr., portr., bibl.).
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HANDWRITING: O'Neill, G., Life Rev. J.E.T. Woods, opp. p. 129, 218. 1929.

**18.263.** *Tasmanian forests*: their botanical and economical value ... [J.R. Soc. N.S.W. 1879]. Oct.
*Publ.*: 1879, cover-t.p., p. [1]-12. *Copy*: HH. – Reprinted and to be cited from J.R. Soc. N.S.W. 12: 17-28. 1879.

**18.264.** Malaysian essays no. 4. *On the vegetation of Malaysia* ... Sydney (F. Cunninghame & Co., ...) [1890]. Oct.
*Publ.*: 29 Mai 1890 (in journal), cover-t.p., p. [281]-378, *pl. 1-9*. *Copy*: HH. – Reprinted and to be cited from Proc. Linn. Soc. N.S.W. 4(1): 9-106 [sic]. 1890.

**Woodson, Robert** [Everard], Jr. (1904-1963), American botanist; studied at Washington University, St. Louis, Missouri; M.S. ib. 1927; M.A. Harvard 1928; Dr. phil. Washington Univ. 1929; instructor in botany ib. 1929-1935, assistant professor 1935-1942, associate professor 1942-1945, regular professor 1945-1963; assistant herbarium Missouri Botanical Garden 1928-1937, asst. curator 1937-1947, "curator" 1945-1955, curator 1955-1956, 1959-1963. (*Woodson*).

HERBARIUM and TYPES: MO. – Other material at A, C, DPU, F, GH, U, US, VT, W. – *Field notes* and *manuscripts*: MO. – *Letters* at G, IAPT, NY, US.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 518; BJI 2: 194; Bossert p. 442; Hortus 3: 1207; IH 1 (ed. 1): 90, (ed. 2): 114, (ed. 3): 135, (ed. 4): 151; Langman p. 811-812; MW p. 536; NW p. 61; PH 209; SIA see index; TL-2/781, 12.172; Tucker 3:341; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Allen, C.K., Garden J. 14: 38-39. 1964 (obit.); Brittonia 17: 1-4. 1965 (obit., portr.).
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Anon., Amer. men sci. eds. 5-10. 1933-1961; Index Amer. bot. lit. 1886-1966. 4: 576-578. 1969; Taxon 8: 108. 1959 (app. curator MO), 13: 28. 1964 (d.); St. Louis Globe-Democrat 7 Nov 1963 (d., heart attack); Who's who Amer. 26-32. 1950-1963; Who was who America 4: 1033. 1961-1968.
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Lewis, W.H., Ann. Missouri bot. Gard. 52: 248-250. 1965 (graduate students of W.).
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Nevling, L.I., Brittonia 17: 6-11. 1965 (bibl.); Ann. Missouri bot. Gard. 52(3): 229-233. 1965.
Rogers, D.J., Brittonia 17: 4-5. 1965 (as scientist).
Robyns, A., Ann. Missouri bot. Gard. 52(3): 229-233. 1965 (index to Contr. Fl. Panama and Fl. Panama).

Steenis, C.G.G.J. van, Fl. males. Bull. 12: 471. 1956 (resigned curatorship MO, devotes more time to education), 14: 629. 1959 (app. curator MO).
Verdoorn, F., ed., Chron. bot. 1: 314. 1935, 2: 68, 335. 1936, 3: 300. 1937, 4: 180, 453, 542, 566. 1938, 5: 173, 176, 298, 370. 1939, 6: 172. 1941.

COMPOSITE WORKS: (1) Collaborator, A.C. Smith, *A collection of flowering plants from Mount Roraima* 1940, TL-2/12.172.
(2) *Apocynaceae*, *in* North American Flora 29(2): 103-192. 11 Jul 1938.
(3) Editor, and in part author, with R.J. Seibert, later R.W. Schery, *Contributions toward a Flora of Panama* 1937-1943, in Ann. Missouri bot. Gard. 24-30, 1937-1943, for full details see A. Robyns, Ann. Missouri bot. Gard. 52: 235-241. 1965.
(4) Editor, and in part author, *Flora of Panama* parts 2, 3, 4, 5(1-3), 7(1-4). 1943-1959, for full details see A. Robyns, Ann. Missouri bot. Gard. 52: 243-245. 1965.
(5) *Apocynaceae*, *in* H.A. Gleason, *Botanical results of the Tyler-Duida expedition*, Bull. Torrey bot. Club 58: 452-454. 1931.
(6) *Apocynaceae*, *in* H.A. Gleason & A.C. Smith, *Plantae Krukovianae*, Bull. Torrey bot. Club 60: 392. 1933 (TL-12.164).
(7) *Apocynaceae*, *in* G. Cufodontis, *Risultati della spedizione biologica austriaca in Costarica* nel 1930, Arch. Bot. Forli 10: 38-41. 1934, 11: 178, 179. 1935.
(8) *Apocynaceae and Asclepiadaceae*, *in* A. Rehder, *Notes on the ligneous plants described by Léveillé* from eastern Asia. J. Arnold Arb. 15: 310-318. 1934.
(9) *Temnadenia*, *in* A. Lemée, *Dict. descr. synon. Phan.* 6: 480-481. 1935 (TL-2/4389).
(10) *Apocynaceae*, *in* H.A. Gleason and E.P. Killip, *The flora of Mount Auyan-Tepui*, Venezuela, Brittonia 3: 190. 1939.
(11) *The botany of Rauwolfia*, *in* R.E. Woodson, Jr., H.W. Youngken, E. Schlitter, and J.A. Schneider, Rauwolfia, Boston, Toronto, 1957, p. 3-31.
(12) For further contributions in works by others after 1940 see the bibliography by L.I. Nevling (1965).

MEMORIAL ISSUE: Ann. Missouri bot. Gard. 52(3). 1965.

EPONYMY: *Allowoodsonia* Markgraf (1967); *Woodsonia* L.H. Bailey (1943).

**18.265.** *Dysosma*: a new genus of Berberidaceae ... Ann. Mo. bot. Gard. ... 1928. Oct.
*Publ.*: 22 Dec 1928, p. 335-340, *pl. 46*. *Copy*: US. – Reprinted and to be cited from Ann. Missouri bot. Gard. 15: 335-340, *pl. 46*. 1928.

**18.266.** *Studies in the Apocynaceae*. I. A critical study of the Apocynoideae (with special reference to the genus Apocynum) ... Ann. Mo. Bot. Gard. ... 1930. Oct.
*1*: 14 Mai 1930, cover-t.p., p. 1-212, *pl. 1-20*. – Reprinted and to be cited from Ann. Missouri bot. Gard. 17: 1-212, *pl. 1-20*. 1930 (rev. Torreya 30: 104-105. 21 Aug 1930).
*2*: 22 Dec 1928, cover-t.p., p. 341-378, *pl. 47-49*. – Id. 15: 341-378, *pl. 47-49*. 1928.
*3*: 22 Dec 1928, cover-t.p., p. 379-434, *pl. 50-53*. – Id. 15: 379-434, *pl. 50-53*. 1928. – *3a*, A new species of *Amsonia*, *id.* 16: 407-410. 30 Dec 1929 (also as reprint).
*4(1)*: 19 Dec 1933, cover-t.p., p. (1)-(186). – Id. 20: 605-790. 1933.
*4(2)*: 25 Mai 1935, cover-t.p., p. (187)-(340). – Id. 22: 153-306. 1935.
*4(3)*: 10 Jun 1936, cover-t.p., p. (341)-(608). – Id. 23: 169-436. 1936.
*5*: 12 Mai 1936, cover-t.p., p. [65]-105. – Id. Sunyatsenia 3(2-3): 65-105. 1936.
*6*: Jul 1936, cover-t.p., p. 205-231, *pl. 1*. – Id. Philipp. J. Sci. 60(3): 205-231, *pl. 1*. 1936.
*7*: 27 Dec 1937 (date in footnote, cover-t.p., however, dated Feb 1938), cover-t.p., p. 189-224. – Id. Ann. Missouri bot. Gard. 25: 189-224. 1938.
*8*: 18 Jun 1951, cover-t.p., p. 119-206, *pl. 1*. – Id. 38: 119-206, *pl. 1*. 1951 (date on cover-t.p. May 1951).
*Copies*: B, G, HH, MICH, MO, NY, U, US.

**18.267.** *New or otherwise noteworthy Apocynaceae of tropical America* ... Reprinted from Annals of the Missouri Botanical Garden ... 1931. Oct.
*1*]: 24 Dec 1931 (date in footnote), cover-t.p., p. 541-554. – Reprinted and to be cited from Ann. Missouri bot. Gard. 18: 541-554. 1931 (date on cover reprint Nov 1931: apparently issue for Nov).

*2*: 15 Apr 1932 (id), cover-t.p., p. 45-76. – Id. 19: 45-76. 1932 (for Feb 1932).
*3*: 15 Nov 1932 (id.), cover-t.p., p. 375-387. – Id. 19: 375-387. 1932 (for Nov 1932).
*4*: 12 Dec 1934 (id.), cover-t.p., p. 613-623. – Id. 21: 613-623. 1934 (for Nov 1934).
*5*: 20 Mar 1937 (id.), cover-t.p., p. 11-16. – Id. 24: 11-16. 1937 (for Feb 1937).
*6*: 29 Apr 1939 (id.), cover-t.p., p. 95-98. – Id. 26: 95-98. 1939 (for Apr 1939).
*7*: 30 Nov 1939 (id.), cover-t.p., p. 257-259. – Id. 26: 257-259. 1939.
*Copies*: HH, M, MO, NY, U, US.

**18.268.** *Observations on the inflorescence of Apocynaceae* (With special reference to the American genera of Echitoideae) ... Reprinted from Annals of the Missouri Botanical Garden ... 1935. Oct.
*Publ.*: Feb 1935, cover-t.p., p. 1-48, *pl. 1-3*. *Copies*: HH, MO, NY, US. – Reprinted and to be cited from Ann. Missouri bot. Gard. 22: 1-48, *pl. 1-3*. 1935.

**18.269.** *The vascular anatomy and comparative morphology of apocynaceous flowers* ... Separately printed ... from Bulletin of the Torrey Botanical Club. – 1938.
*Publ.*: 1 Mar 1938, cover-t.p., p. 135-166, *pl. 3-5*. *Copies*: MO, NY, US. – Reprinted and to be cited from Bull. Torrey bot. Club 65: 135-166. *pl. 3-5*. 1938.

**18.270.** *The Apocynaceous flora of the Yucatan peninsula* ... Botany of the Maya Area: miscellaneous papers ... 1940. Oct.
*Publ.*: 20 Jun 1940, cover-t.p., p. 61-102. *Copies*: HH, MO, NY. – Reprinted and to be cited from C.L. Lundell, Botany of the Maya area 15, Carnegie Inst. Washington, Publ. 22: 59-102. 1940.

**18.271.** *The North American Asclepiadaceae*. I. Perspective of the genera .... Reprinted from Annals of the Missouri Botanical Garden ... 1941. Oct.
*Publ.*: 28 Apr 1941, cover-t.p., p. 193-244. *Copies*: HH, MO, NY. – Reprinted and to be cited from Ann. Missouri bot. Gard. 28: 193-244. 1941.

**Woodville, William** (1752-1805), British physician and botanist; studied at Edinburgh Univ., M.D. 1775; practicing physician at Papcastle and Denbigh, Scotland; from 1782 in London as physician to the Middlesex dispensary; physician to the smallpox and inoculation hospitals at St. Pancras 1791-1805. (*Woodv.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 518; BB p. 334-335; BM 5: 2355; Bossert p. 442; Desmond p. 675-676 (d. 26 Mar 1905); DNB 62: 417 (21: 888-889); Dryander 3: 401; DU 334; GF p. 81; Henrey 2: 748 [index]; Herder p. p. 414; Hortus 3: 1207; HU 2(1): clxii, 2(2): no. 716, 3: no. 3, 1521-1524; Jackson p. 201; NI 2183; Plesch p. 463; PR 10398, ed. 1: 11358, 11578; Rehder 3: 55; SO 743, 745; Sotheby 823, 824; TL-1/1046 (H. Woodville); TL-2/8755 (H. Woodville; see W.J. Hooker, J. Sowerby); Tucker 1: 753-754.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 260: 800. 1965.
Gibbs, W., Dedicated, a novel, 1960 (fiction: also as Two doctors, a novel, 1959).
Hoeffer, ed., Nouv. biogr. gén. 46: 830. 1866.
Munk, W., Roll R. Coll. Physicians London ed. 2. 2: 345. 1878.
Redgrove, H.S., Gard. Chron. 97: 306-307. 1935 (modern evaluation).
Thornton, R.J., Phil. bot. 3: *pl. 23*. 1806 (portr.).
Wittrock, V.B., Acta Horti Berg. 3(2): 99. 1903.

COMPOSITE WORKS: Some articles on medical botany in Rees, *Cycl.* (TL-2/8755), fide BM by "H. Woodville", are possibly by William Woodville (see also Mabberley, Taxon 32: 80. 1983).

EPONYMY: *Woodvillea* A.P. de Candolle (1836).

**18.272.** *Medical botany*, containing systematic and general descriptions, with plates of all

the medicinal plants, indigenous and exotic, comprehended in the catalogues of the materia medica, as published by the Royal Colleges of Physicians of London and Edinburgh: accompanied with a circumstantial detail of their medicinal effects, and of the diseases in which they have been most successfully employed ... London (printed and sold for the author, by James Phillips, ...) 1790-1795, 3 vols. and suppl. Qu. (in 2-s). (*Med. bot.*).

*Ed.* [*1*]: 1790-1794, 3 vols. and suppl. *Copies*: BR, G, HH, MICH, NY, USDA. – Published in "numbers" (fascicles). Plates dated. (pl. 1: 1 Jan 1790; pl. 271-274 suppl.: 1 Jan 1795. – For a detailed analytical bibliographic analysis see HU 716, q.v. for many further details. Plates by "Mr [James] Sowerby" fide 1: vi.

*1*: 1 Jan 1790-1 Jan 1791, p. [i]-xiv, 1-182, [i-ii, index], *pl.* [*1*]-*65* (five to a number) (coll. copp.).

*2*: 1 Feb 1791-1 Mar 1792, p. [i]-xii, 183-368, [i-ii, index], *pl. 66-135*.

*3*: 1 Apr 1792-1 Jan 1793, p. [i-viii], 369-578, [i]-vii, [v]-xii, *pl. 136-210* (*pl. 179* as "*178*").

*Supplement*: 1 Jan 1794-1 Jan 1795, p. [i-iv], 1-169, [170-180], *pl. 211-274* (*pl. 240* as *230*, *273* as "*274*").

*Ed. 2*: 1810, 4 vols. *Copies*: HH (4 vols.), NY (2 vols.). Second edition ... London (printed and sold by William Phillips, ...) 1810. Qu.

*1*: 1810, p. [i-viii], [1]-188, *pl. 1-70*.

*2*: 1810, p. [i-iii], [189]-392, *pl. 71-111*, *113-141*.

*3*: 1810, p. [i-iii], [393]-504, 503*-504*, 505-632, *pl. 142-181*, *181**, *182-222*.

*4*: 1810, p. [i-ii], 633-824, [1-32], *pl. 223-274*.

*Ed. 3*: 1832, 5 vols. *Copies*: HH, MO, NY, USDA. – Third edition, in which thirty-nine new plants have been introduced. The botanical descriptions arranged and corrected by Dr. William Jackson Hooker, ... who has added an index following the arrangement of Jussieu. The new medico-botanical portion supplied by G. Spratt, Esq. author of the Flora medica, ... in five volumes ... London (published by John Bohn, ...) 1832. Qu. (in 2-s).

*1*: 1832, p. [i-vii], [1]-188, *pl. 1-70* (col.).

*2*: 1832, p. [i-iii], [189]-392, *pl. 71-111*, *113-141*.

*3*: 1832, p. [i-iii], [393]-504, 503*-504*, 505-632, *pl. 142-181*, *181**, *182-222*.

*4*: 1832, p. [i], 631-824, [1-32, indexes], *pl. 223-274*.

*5*: 1832 (p. [v]: 1 Jun 1832), p. [i-v], [1]-157, [i-xv], *36 pl.* (col.; by G. Spratt).

**Woodward, Robert** (1877-1915), British barrister and horticulturist; educated at Radley College and Christ Church, Oxford; called to the Bar at the Inner Temple; practiced on the Oxford circuit; lieutenant in the South Wales Borderers 1914, died in action in Northern France 9 Mai 1915; heir to Arley Castle. (*R. Woodw.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 518; Desmond p. 676; Tucker 1: 145, 754, 780.

BIOFILE: Anon., Bull. misc. Inf. Kew 1945: 263-264; Gard. Chron ser. 3. 57: 279. 1915 (portr., obit. not.).

**18.273.** *Catalogue of hardy trees and shrubs* including Coniferae, growing in the grounds of *Arley Castle*. [s.l.n.d.; London 1907]. Oct. (*Cat. trees Arley Castle*).
*Publ.*: 1909 (p. 6), cover ("Hortus arleyensis"), p. [1]-88. *Copy*: USDA.

**Woodward, Thomas Jenkinson** (1745-1820), British country gentleman of leisure and botanist; LLB Cambridge 1769; magistrate and deputy-lieutenant for Suffolk, later Norfolk; lieutenant-colonel of the Diss volunteers; F.L.S. 1789. (*Woodw.*).

HERBARIUM and TYPES: RTE (see Allen 1982). – Further material in IPS, LINN (J.E. Smith herb.). – *Letters* at BM, LINN.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 629; Barnhart 3: 518; BB p. 335; BM 2: 695, 5:

2360; CSP 6: 438; Dawson p. 881; Desmond p. 676 (b. 6 Mar 1745, d. 28 Jan 1820); De Toni 1: cxxxiv; Dryander 3: 344-345, 356-357, 5: 83; DSB 62: 427-428; Henrey 2: 748 [index]; Herder p. 255; LS 29456-29257; TL-2/see J.E. Smith.

BIOFILE: Allen, D.E., Watsonia 14: 177-178. 1982 (discovery of herb. at RTE).
Anon., Gent. Mag. 90: 189, 280-281. 1820 (obit.); Trans. Norfolk Norwich Natural. Soc. 9: 659, 672-675. 1914.
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 255.62, 255.188. 1980.
Dawson, W.R., Smith papers 98-102. 1934 (132 letters to J.E. Smith at LINN).
Hind, W.M., Fl. Suffolk 481. 1889.
Horwood, A.R. & C.W. Noel, Fl. Leicestershire clxxxix. 1933.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 279. 1984.
Smith, J.E., *in* Rees, Cycl. (alph.) Turin 5: 411, *pl. 9(3)*. 1793.
Walter, J.H.F., Trans. Norfolk Norwich Natural. Soc. 9(5): 665-666, 672, 674, 676. 1914.

COMPOSITE WORKS: (1) Contributed to P. Miller, *The gardener's and botanist's dictionary* ... Corrected and newly arranged ... by T. Martyn, 1807. (TL-2/6046).
(2) Contributed to J.E. Smith, *Engl. bot.* see TL-2/12.221.
(3) Contributed to W. Withering, *Bot. arr. Brit. pl.* ed. 2. 1787. (TL-2/18.079).
(4) With Samuel Goodenough (1743-1827), *Observations on the British Fuci*, with particular descriptions of each species, Trans. Linn. Soc. 3: 84-235, *4 pl.* 25 Mai 1797.
(5) *An account of a new plant, of the order of Fungi, in* Phil. Trans. Roy. Soc. London 74(2): 423-427. 1784.

EPONYMY: *Woodwardia* J.E. Smith (1793); *Woodwardides* W.P. Schimper (1869); *Woodwardites* H.R. Göppert (1836).

**Woolls, William** (1814-1893), British-born Australian school teacher, journalist and botanist; Dr. phil. Göttingen 1870 (in absentia, not h.c.); emigrated to Australia 1832; assistant master at The King's School, Parramatta 1832-1836, journalist and private teacher at Sydney 1836; classical master at Sydney College, later in charge of a private school at Parramatta until 1865; took holy orders in the Church of England 1873; episcopal minister, later dean at Richmond 1873-1883; retirement at Sydney. (*Woolls*).

HERBARIUM and TYPES: NSW. – Further material at GOET, MEL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 520; BB p. 335; BJI 1: 64; BL 1: 67, 324; BM 5: 2360; Bossert p. 442; CSP 8: 1274, 11: 850, 19: 714; Desmond p. 676 (d. 14 Mar 1893); Herder p. 230; Hortus 3: 1207; Jackson p. 6, 63, 398, 399; LS 29261; PR 10399; Rehder 5: 932; Tucker 1: 754, 3: 341.

BIOFILE: Anon., J. Bot. 31: 128. 1893 (d.); Nat. Nov. 15: 159. 1893 (d.); Nature 47: 495. 1893 (d.); Proc. Linn. Soc. 1892-1893: 27-28. 1893 (obit.); Vict. Naturalist 9: 185. 1893 (obit.).
Bentham, G., Fl. austral. 1: 14. 1863.
Haswell, Proc. Linn. Soc. N.S.W. 7: 669. 1893 (obit. not.).
Campbell, W.S., Vict. Natural. 49: 135-140. 1932 (recollections).
Carr, D.J. & G.M. eds., People pl. Austral. 25, 42, 76, 212, 247-252, 343. 1981.
Hall, N., Bot. Eucalypts 136-137. 1978.
Hooker, J.D., Fl. Tasman. cxxvii. 1859.
Maiden, J.H., J. Proc. R. Soc. N.S.W. 42: 130-132. 1908.
Serle, P., Dict. Austral. Biogr. 2: 509-510. 1949.
Wagenitz, G., Index coll. princ. herb. Gott. 183. 1982 (Dr. phil. Gött. 1870, in absentia, not h.c.).

**18.274.** *A contribution to the flora of Australia* ... Sydney (F. White, ...) Parramatta (J. Ferguson, ...), Melbourne (G. Robertson, ...) 1867. Oct. (in 4-s). (*Contr. fl. Australia*). *Publ.*: Dec 1867 (p. vi: Dec 1867), p. [i]-x, [1]-255. *Copies*: G, HH, M, MO, NSW, NY; IDC 5176.

**18.275.** *The progress of botanical discovery in Australia*: a lecture delivered in the Mechanics' School of Arts, Parramatta, on Tuesday Evening, July 13th, 1869, at the request of the committee of the Cumberland Mutual Improvement Society, ... Sydney (F. Cunninghame & Co., ...) 1869. (*Progr. bot. discov. Australia*).
*Publ.*: 1869, p. [1]-41. *Copies*: BM, Chapman.

**18.276.** *Species plantarum paramattensium* secundum ordines naturales ... Gottingae [Göttingen] (typis expressit Officina academica G.Fr. Kaestner) 1871. Oct. (*Sp. pl. paramatt.*).
*Publ.*: 1871, p. [i]-x, [1]-49. *Copies*: B-S, GOET, M.

**18.277.** *Lectures on the vegetable kingdom*, with special reference to the flora of Australia ... Sydney and Parramatta (C.E. Fuller, ...) 1879. Oct. (*Lect. veg. kingd.*).
*Publ.*: Nov-Dec 1879 (p. [v]: Oct 1879; Bot. Zeit. 30 Apr 1880), p. [i-vii], [1]-227. *Copies*: HH, NSW, NY; IDC 5177. – Bot. Centralbl. 1881, Bot. Zeit. 1881 and J. Bot. 1881, all mention an issue of "228" p. Sydney 1881 as well.

**18.278.** *Plants indigenous in the neighbourhood of Sydney*, arranged according to the system of Baron F. von Mueller, ... by W. Woolls, ... Sydney (Thomas Richards ...) 1880. Oct. (*Pl. Sydney*).
*Publ.*: Jan-Apr 1880 (Bot. Centralbl. 17-18 Jun 1880; Bot. Zeit. 27 Aug 1880; J. Bot. Aug 1880; Nat. Nov. Sep(1) 1880), p. [1]-59. *Copies*: G, HH, MO, USDA.
*Ed.* [2]: 1891 (p. [2]: Dec 1890; J. Bot. Jul 1891; Bot. Centralbl. 2 Jul 1891), p. [1]-71. *Copies*: HH, PH, US, USDA. – *Plants indigenous and naturalised* in the neighbourhood of Sydney, ... Sydney (George Stephen Chapman, ...) 1891. Oct.

**18.279.** *The plants of New South Wales*, according to the census of Baron F. von Mueller. ... with an introductory essay and occasional notes ... Sydney (Thomas Richards, ...) 1885. Oct. (*Pl. N.S.W.*).
*Publ.*: 1885, p. [i], [1]-121. *Copies*: G, HH, PH, U, US, USDA.

**Woolsey, Theodore Salisbury,** Jr. (1880-1933), United States forester and botanist; AB Yale Univ. 1901, Master of Forestry Yale 1903; with the United States Forestry Service 1908-1915; lecturer in forestry Yale ca. 1912, 1916-1917; on active service in Europe 1917-1919; from 1919 consulting forester in New Haven. (*Woolsey*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 519 (b. 2 Oct 1880, d. 10 Jul 1933); Tucker 1: 754, 3: 341.

BIOFILE: Anon., Amer. men sci. eds. 3-4. 1921, 1927; Biogr. Rec. Grad. Stud. Yale Forest School 61-63. 1913 (curr. vit.); Brit. Mus. gen. cat. print. books 260: 935. 1965; Natl. Cycl. Amer. biogr. 26: 340-341. 1937; Who's who Amer. 8-18, 1914-1935; Who was who Amer. 1: 1381. 1968; Wooden Nutmeg 9(3): 4. 1933 (obit. not.).

**18.280.** *Western Yellow Pine in Arizona and New Mexico* ... Washington (Government Printing Office) 1911. Oct. (*West. Yellow Pine*).
*Publ.*: 24 Nov 1911, published as Bull. U.S. Forest Serv. 101: 1-64, *pl. 1-4*, [5]. 1911. *Copy*: USDA.

**18.281.** *French forests and forestry* Tunisia, Algeria, Corsica. With a translation of the Algerian Code of 1903 ... New York (John Wiley & Sons, ...) London (Chapman & Hall, ...) 1917. Oct. (*French for.*).
*Publ.*: 1917 (p. viii: 15 Aug 1916; Nat. Nov. Nov-Dec 1917), frontisp., p. [i]-xv, 1-238. *Copies*: G, HH, NY.
*Ref.*: W.D., Bull. misc. Inf. Kew 1920: 143-144 (rev.).

**18.282.** *Studies on French forestry* ... New York (John Wiley & Sons) London (Chapman & Hall, ...) 1920. Oct. (*Stud. French for.*).

*Co-author*: William B. Greeley.
*Publ.*: 1920 (p. vii: 1 Jan 1920), frontisp., p. [i]-xxvi, [1]-550. *Copies*: BR, MO.

**Woolson, Grace A.** (1856-1911), American pteridologist and gardener; sometime school teacher at Pittsford, Vermont. (*Woolson*).

HERBARIUM and TYPES: Unknown. – *Letters* at GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 520 (b. 17 Oct 1856, d. 23 Jun 1911); IF p. 738.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 581. 1969.
Terry, E.H., Amer. Fern J. 1(6): 148-149. 1911 (obit., ... her cats, which were to her almost human personalities ... a superior race of felines).

**18.283.** *Ferns* and how to grow them ... New York (Doubleday, Page & Company) 1905. (*Ferns*).
*Publ.*: Nov 1905 (p. [iv]), p. [i-ii], frontisp. (*pl. 1*), [iii]-x, [1]-156, *pl. 2-32*. *Copies*: HH, MO.
*Reprinted*: 1906 (Nat. Nov. Oct(2) 1906), id. *Copy*: NY.
*Reprinted*: 1910, id. *Copy*: PH.
*Reprinted*: 1914, id. *Copy*: NY.

**Woolward, Florence Helen** (1854-1930), British botanist and botanical artist. (*Woolward*).

HERBARIUM and TYPES: BM (Masdevallia). – *Drawings* at BM. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 520 (d. 3 Jan 1936); BM 5: 2360; Desmond p. 677; GF p. 81; NI 2185; Tucker 1: 754.

BIOFILE: Rendle, A.B., J. Bot. 74: 55. 1936 (d.).

**18.284.** *The genus Masdevallia*. Issued by the Marquess of Lothian, K.T., chiefly from plants in his collection of orchids at Newbattle Abbey; plates and descriptions by Miss Florence H. Woodward; with additional notes by F.C. Lehmann ... [1890-] 1896. (London, R.H. Porter ...), Grantham (Lyne & Son, ...) [1890-] 1896. (*Masdevallia*).
*Publ.*: 1890-1896, in eight parts, p. [i-xii], map [xiii], *87 pl.* with text (col. liths.). *Copies*: BR, G, HH, MO. – Notices in J. Bot.: *Part 1* (29: 30. Jan 1891, 29: 88-90. Mar 1891 rev.), *part 2* (29: 288. Sep 1891), *part 3* (30: 348-349. Nov 1892, rev.), *part 4* (31: 256. Aug 1893), *part 5* (32: 128. 1894, "concluding the first volume"), *part 7* (33: 320. Oct 1895), *part 8* (34: 440. Oct 1896 completed).
*Follow-up*: Descr. of *Masdevallia Tonduzii*, *in* Bull. Herb. Boiss., ser. 2. 6: 82. 4 Jan 1906.

**Wooster, David** (ca. 1824-1888), British nurseryman, sometime associated with J.C. Loudon, later with Walter Trevelyan. (*Wooster*).

HERBARIUM and TYPES: Unknown. – *Letters* at K.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 520; BB p. 335; BM 5: 2361; Desmond p. 677; GF p. 81; Jackson p. 119, 229; NI 2180; Rehder 3: 83; TL-2/5026, 5033.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 260: 947. 1965 (bibl.); Gard. Chron. 1888(2): 393 (obit. not.).
Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 321.1. 1980.

COMPOSITE WORKS: (1) Collaborator, *Loudon's Encyclopaedia of plants* ... new edition 1855, TL-2/5026.
(2) Collaborator, *Supplement to Loudon's Hortus britannicus* 1850, TL-2/5033.
(3) Compiled J. Knight & T.A. Perry, *Syn. conif. pl.* 1850, TL-2/3760.

**18.285.** *Alpine plants*, figures and descriptions of the most striking and beautiful of the alpine flowers ... London (Bell and Daldy, ...) 1872. Qu. (*Alp. pl.*).
*Publ.*: 1872 (p. [viii]: 28 Oct 1871), p. [i]-ix, [1]-152, *pl. 1-54* (col.). *Copies*: HH, NY.
*Second series*: 1874, p. [i-iii], [1]-140, *pl. 1-54* (col.). *Copies*: HH, MICH, MO, NY.
*Second edition* (of first series): 1874, p. [i]-xii, [1]-152, *pl. 1-54*. *Copies*: BR, MICH, MO, NY.

**Wooton, Elmer Ottis** (1865-1945), American botanist; studied at Earlham College, B.S. 1889, A.M. 1896; in charge of botany New Mexico State College 1890-1896; studied at Columbia University and the New York Botanical Garden 1896-1898; professor of botany Agricultural College and Experiment Station, New Mexico 1898-1900, of biology 1900-1911; in various functions with USDA 1911-1935; in retirement at Arlington, Va. (*Woot.*).

HERBARIUM and TYPES: US (main herb.), NMC ("apparenty second set", inf. IH ed. 7); further material at ARIZ, B (mainly destr.), BM, E, GH, ILL, IND, K, MIN, MO (large set), NY (large set), P, POM, RM, US (large set), WELC, WVA.
*Exsiccatae*: *New Mexico plants*, collected 1897, sold in sets of ca. 400-500 specimens (see Ewan ed. 2, 243-244). *List*: *New Mexico plants*, p. [1]-4. *Copy*: NY, s.l.n.d. [ca. 1897]. – *Letters* at G, NY (e.g. in Barnhart corr.), SIA.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 519, 520 (b. 19 Sep 1865); BL 1: 199, 324, 2: 194; BM 5: 2361; Bossert p. 442; Ewan ed. 1: 64, 267, 312, 341-342, ed. 2: 243-244; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Langman p. 812; Rehder 1: 327, 2: 299; SIA see index; TL-2/12.752, see P.C. Standley; Tucker 1: 754, 2: xli, 3: 341; Urban-Berl. p. 411; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Amer. men sci. eds. 1-8. 1906-1949; Bot. Centralbl. 76: 111. 1898 (app. New Mexico); Cat. gen. livr. impr. Bibl. natl. 227: 142-143. 1977; Index Amer. bot. lit. 1886-1966, 4: 581. 1969; Nat. Nov. 20: 501. 1898 (prof. bot. New Mexico).
Frodin, D.G., Guide standard floras world no. 186. 1984.
Knobloch, I.W., Pl. coll. North Mexico 74. 1979; Phytologia Mem. 6: 105. 1983 (refs. to inf. on Mexican coll.).
McKelvey, S.D., Bot. expl. Trans.-Miss. West 1790-1850, 1029, 1070. 1955.
Standley, P.C., Contr. U.S. natl. Herb. 13: 245-246. 1910 (list publ. 1894-1909); J. Washington Acad. Sci. 37: 34-35. 1947 (obit., b. 19 Sep 1865, d. 20 Nov 1945).

COMPOSITE WORKS: Co-author with P.C. Standley, *Grass. New Mexico* 1912, TL-2/12.752.

EPONYMY: *Wootonella* Standley (1912); *Wootonia* E.L. Greene (1898).

**18.286.** New Mexico College of Agriculture and the Mechanic Arts. Agricultural Experiment Station ... *New Mexico Weeds*. No. 1. Las Cruces, N.M. (The Independent Democrat) 1894. Oct. (*New Mexico Weeds*).
*Publ.*: Oct 1894, p. [1]-36, *11 pl.* (15 figs.). *Copies*: HH, MO, US. – Issued as Bull. New Mexico Coll. Agr., Agr. Exp. Sta. 13, 1894.

**18.287.** New Mexico College of Agriculture and Mechanic Arts. Agricultural Experiment Station ... *Russian Thistle* ... Las Cruces, N.M. (Allen Kelly) 1895. Oct. (*Russ. Thistle*).
*Publ.*: Sep 1895, p. [1]-20, *2 pl. Copy*: USDA. – Issued as Bull. 16 N. Mex. Coll. Agr., Agr. Exp. Sta. 15: 1-20, *2 pl.* 1895.

**18.288.** New Mexico College of Agriculture and the Mechanic Arts. Agricultural Experiment Station ... *Some New Mexico forage plants* ... Las Cruces, N.M. (Allen Kelly) 1896. Oct. (*New Mexico forage pl.*).
*Publ.*: 1896, p. [i-ii], [57]-95. *Copy*: HH. – Issued as Bull. New Mexico Coll. Agr., Agr. Exp. Sta. 18: 57-95. 1896.

**18.289.** *A new southwestern rose* ... Reprinted from the Bulletin of the Torrey botanical Club ... 1898. Oct.
*Publ.*: 19 Mar 1898, cover-t.p., p. 152-154, *pl. 335*. *Copy*: G. – Reprinted and to be cited from Bull. Torrey bot. Club 25(3): 152-154, *pl. 335*. 1898. – Contr. Dept. Bot. Columbia Univ. 139.

**18.290.** *New plants from New Mexico*, I-III ... Reprinted from the Bulletin of the Torrey botanical Club ... 1898. Oct.
*Publ.*: Mai, Jun, Aug 1898, consolidated reprint from Bull. Torrey bot. Club 1898 with cover-t.p.: Contr. Dept. Bot. Columbia Univ. 148. *Copies*: G, HH, MO, NY, US.
*1*: Mai 1898, p. 257-264. – Reprinted and to be cited from Bull. Torrey bot. Club 25(5): 257-264. 1898.
*2*: 8 Jun 1898, p. 304-310. – Id. 25(5): 304-310. 1898.
*3*: 13 Aug 1898, p. 451-459. – Id. 25(8): 451-459. 1898.

**18.291.** *Native ornamental plants of New Mexico* ... Santa Fe, N.M. (New Mexican Printing Company) 1904. Oct. (*Nat. ornam. pl. New Mexico*).
*Publ.*: Mai 1904, p. [1]-40, *12 pl.* – *Copies*: HH, MO, US. – Bull. New Mexico Agr., Agr. Exp. Sta. 51.

**18.292.** *The genus Androsace* in New Mexico ... From the Bulletin of the Torrey Botanical Club ... 1907. Oct.
*Co-author*: Paul Carpenter Standley 1884-1963.
*Publ.*: 17 Dec 1907, p. 517-520. *Copies*: G, MO. – Reprinted and to be cited from Bull. Torrey bot. Club 34: 517-520. 1907.

**18.293.** *Cacti in New Mexico* ... Santa Fe, N.M. (The New Mexican Printing Company) 1911. Oct. (*Cacti New Mexico*).
*Publ.*: Mai 1911, p. [1]-70, *18 pl. Copies*: HH, NY, PH, US. – Bull. New Mexico Coll. Agr., Agr. Exp. Sta. 78.

**18.294.** *The grasses and grass-like plants of New Mexico* ... Las Cruces, N.M. (Rio Grande Republican) 1912. Oct. (Grass. Pl. New Mexico) 1912. Oct. (*Grass. New Mexico*).
*Co-author*: Paul Carpenter Standley (1884-1963).
*Publ.*: 1912 (date imprint; Bull. no. 81 for Dec 1911; PH rd. 24 Jun 1912), p. [1]-175, [176], *12 pl. Copies*: HH, MO, NY, PH, Stevenson. – Issued as Bull. New Mexico Coll. Agr., Agr. Exp. Sta. 81.

**18.295.** *Trees and shrubs of New Mexico* ... Las Cruces (Republican) 1913. Oct. (*Trees shrubs New Mexico*).
*Publ.*: Jun 1913, p. [1]-159. *Copy*: HH. – Issued as Bull. New Mexico Coll. Agr., Agr. Exp. Sta. 87.

**18.296.** *Descriptions of new plants* preliminary to a report upon the flora of *New Mexico* ... Washington (Government Printing Office) 1913. Oct.
*Co-author*: Paul Carpenter Standley (1884-1963).
*Publ.*: 12 Feb 1913, p. [i]-v, 109-196, vii-xi, *pl. 48-50*. *Copies*: BR, HH, MO, NY, U, US. – Issued as and to be cited from Contr. U.S. natl. Herb. 16(4): [i]-v, 109-196, vii-xi, *pl. 48-50*. 1913.

**18.297.** *Flora of New Mexico* ... Washington (Government Printing Office) 1915. Oct. (*Fl. New Mexico*).
*Co-author*: Paul Carpenter Standley (1884-1963).
*Publ.*: 24 Jun 1915, p. [1]-794. *Copies*: BR, G, HH, MO, NY, PH, U, US, USDA; IDC 7641. – Issued as Contr. U.S. natl. Herb. 19, 1915.
*Facsimile repr.*: 1972, Lehre (Verlag von J. Cramer). – Reprints of US-Floras volume 7. *Copies*: FAS, G.

**18.298.** *The ferns of New Mexico* ... Reprinted ... from American Fern Journal ... 1915. Oct.

*Co-author*: Paul Carpenter Standley (1884-1963).
*Publ.*: 9 Jul 1915, p. 65-78. *Copies*: HH, NY. – Reprinted and to be cited from Amer. Fern J. 5: 65-78. 1915.

**18.299.** *Certain desert plants as emergency stock feed* ... United States Department of Agriculture ... 1918. Oct. (*Desert pl. stock feed*).
*Publ.*: 18 Dec 1918, cover, p. [1]-27, *pl. 1-8. Copies*: HH, MO. – Issued as USDA Bull. no. 728.

**Woronin, Michael [Stephanovitch]** (1838-1903), Russian botanist, and mycologist (phytopathologist); studied natural sciences at the University of St. Petersburg 1854-1858, at Heidelberg 1858-1859, at Freiburg i.Br. with A. de Bary 1859-1860; at Antibes with G.A. Thuret 1860; Mag. bot. St. Petersburg 1861; Dr. phil. h.c. Odessa 1874; private scientist working mainly at St. Petersburg from 1861; member of the Imp. Akad. Sci. St. Petersburg 1898; Foreign member Linn. Soc. 1895. (*Woronin*).

HERBARIUM and TYPES: Unknown, some marine algae at FR and GOET; further material at MW. – *Letters* at FH, G.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 62, 117, 283; Barnhart 3: 521; Biol.-Dokum. 19: 10186; Bossert p. 443; CSP 6: 439, 8: 1274, 11: 723, 19: 405-406; De Toni 1: cxxxiv; Frank 3 (Anh.): 115; GR p. 568-569; Herder p. 127, 247, 255; Jackson 84, 157, 163, 172; Kelly p. 259; KR p. 777; LS 1894, 1900a, 8288, 29263-29317, 40708-40712; Moebius p. 100, 242; Morren ed. 10, p. 96; MW p. 536; PR 455, 457; Rehder 5: 932; Stevenson p. 1263; TL-2/9597; TR 1615-1622; Tucker 1: 754.

BIOFILE: Ainsworth, G.C., Dict. fungi ed. 6. 622. 1971.
Anon., Acta Horti bot. Univ. imp. jurjev. 1: 47-51. 1900 (biogr. sketch.; list 60 publ.); Allg. bot. Z. 4: 188. 1898 (ord. member Acad. Sci. St. P.); Bot. Centralbl. 64: 432. 1895 (hon. memb. Deut. bot. Ges.), 76: 111. 1898 (ord. member Acad. Sci. St. P.), 92: 288. 1903 (d.); Bot. Zeit. 45: 663. 1887 (address); Bull. Acad. Sci. St. Pétersbourg ser. 5. 18: iv-x. 1903 (list publ., 64 nos.); Nat. Nov. 25: 243. 1903 (d.); Österr. bot. Z. 53: 311. 1903 (d.); Proc. Linn. Soc. London 116: 37-38. 1904.
Borodin, I., Acta Horti bot. Univ. imp. jurjev. 4: 286-293. 1903 (obit.).
Cavillier, F., Boissiera 5: 94. 1941.
Chupp, Ch., *in* M. Woronin, Plasmidiophora Brassicae 1934, p. 5-8.
Famintzin, A., Trav. Mus. bot. Acad. St. Pétersb. 2: 1-13. 1915 (obit., portr., list 65 publ.).
Mägdefrau, K., Gesch. Bot. 174. 1973.
Nawaschin, S., Ber. deut. bot. Ges. 21: (35)-(47). 1903 (obit., bibl., b. 21 Jul 1838, d. 20 Feb 1903).
Smith, E.F., Phytopathology 2: 1-4. 1912 (obit., portr.).
Verdoorn, F., ed., Chron. bot. 2: 361. 1936, 4: 276. 1938.
Whetzel, H.H., Outline hist. phytopath. 88-90, 125. 1918.
Wittrock, V.B., Acta Horti Berg. 3(3): 190, *pl. 122*. 1905.

NOTE: The text of Woronin's *Plasmidiophora Brassicae*, Urheber der Kohlpflanzen-Hernie, originally published in Jahrb. wiss. Bot. 11: 548-574, *pl. 29-34*. 1884, reprinted p. [1]-27, *pl. 29-34* (*copies* FH, Stevenson) was issued in an English translation in the series Phytopathological classics, no. 4, American Phytopathological Society 1934 (cover, portr., p. [1]-32, *pl. 29-34*) with a biographical sketch of Woronin by Charles Chupp.

HANDWRITING: Woronin, M., *Plasmidiophora Brassicae*, Phytopath. Class. 4, 1934 in caption to portrait.

COMPOSITE WORKS: With J.T. Rostafińsky, *Über Botrydium granulatum* 1877, TL-2/9597.

EPONYMY: *Woronina* Cornu (1872); *Woroninella* M. Raciborski (1898); *Woroninia* Solms-Laubach (1867).

**18.300.** *Über den Bau des Stammes von Calycanthus* ... Aus der Botan. Zeitung ... besonders abgedruckt ... [1860]. Oct.
*Publ.*: 18 Mai 1860 (in journal), p. 1-8, *1 pl.* (uncol. lith. auth.). *Copies*: G, M. – Reprinted and to be cited from Bot. Zeit. 18: 177-182. 1860.

**18.301.** *Recherches sur les algues marines Acetabularia* Lamx. *et Espera* Dcne. ... Extrait des Sciences naturelles ... [1862]. Oct.
*Publ.*: 1862, p. [1]-15, *pl. 5-11* (col. liths. auct.). *Copy*: FH. – Reprinted and to be cited from Ann. Sci. nat., Bot. ser. 4. 16: 200-214, *pl. 5-11*. 1862. – Preceded by a Russian version, published St. Petersburgh 1861, p. [1]-27, [28], *pl. 1-8* (col. liths.), *copy*: USDA. – Thesis for degree of Mag. Bot. at Univ. St. Petersburg.

**18.302.** *Beitrag zur Kenntniss der Chytridieen* ... Separatabdruck aus den Berichten der naturforschenden Gesellschaft in Freiburg ... [1864]. Oct.
*Senior author*: [Heinrich] Anton de Bary (1831-1888).
*Publ.*: 1864, p. [1]-40, *pl. 1-2*. (uncol. liths., auct.). *Copy*: NY. – Reprinted and to be cited from Ber. naturf. Ges. Freiburg 3(2): 22-61, *pl. 1-2*. 1864.
*Supplément à l'histoire des Chytridinées*, Ann. Sci. nat., Bot. ser. 5. 3: 239-269, *pl. 9-10*. 1865. (Actually a French translation of the German text of 1864).

**18.303.** *Beiträge zur Morphologie und Physiologie der Pilze* ... Frankfurt a.M. (Christian Winter) 1864-1882, 5 series. Qu.
*Authorship*: Heinrich Anton de Bary (1831-1888), see TL-2/1: 135-136 and M. Woronin. All repaginated reprints of papers originally published in Abh. Senckenb. naturf. Ges. 5-12, 1864-1882.
*Preface material*: "Erster Band. Erste, zweite und dritte Reihe" [i.e. ser. 1-3], 1870, p. [i*-iii*].
*Ser. 1*: 1864 (sole author de Bary), p. [i]-iii, [1]-96, *pl. 1-6* (uncol. liths.). Reprinted and to be cited from Abh. Senckenb. naturf. Ges. 5: 137-232. 1864.
*Ser. 2*: 1866 (by Woronin, de Bary & Woronin and de Bary), p. [i-iii], [1]-43, [44], *pl. 1-8* (1-3 col., 4-8 uncol. liths.). Id. 5: 333-375. 1865 [1866].
*Ser. 3*: 1870 (by Woronin [nos. 8-11; de Bary nos. 12-15], p. [i-v], [1]-36, *pl. 1-7* [Woronin], [i], [1]-95, *pl. 7-12* [de Bary]. – Id. 7: 325-360, 361-455. 1870.
*Ser. 4*: 1881 (all by de Bary; Bot. Zeit. 26 Aug, 30 Sep 1881; Nat. Nov. Aug(2) 1881), p. [i-iii], [1]-145, [146, colo.], *pl. 1-6* (uncol. liths.). – Id. 12: 225-370. 1881.
*Ser. 5*: 1882 (by Woronin; Bot. Zeit. 24 Feb 1882; Bot. Centralbl. 23-27 Jan 1882), p. [1]-35, *pl. 1-4* (p.p. col. liths. auth.). – Id. 12: 559-561. 1882. – For a summary see J.R. Rothrock, Bot. Gaz. 7(7): 81-84. Jul 1882 (err. dated 1880).
*Copies*: BR, G, NY.

**18.304.** *Über die* bei der Schwarzerle (Alnus glutinosa) und der gewöhnlichen Garten-Lupine (Lupinus mutabilis) auftretenden *Wurzelanschwellungen* ... St. Petersburg (Commisionäre der Kaiserlichen Akademie der Wissenschaften ...) 1866. Qu. (*Wurzelanschwellungen*).
*Publ.*: shortly after Jul 1866 (p. ii: printed Jul 1866; rev. Bot. Zeit. 19 Oct 1866), p. [i-ii], [1]-13, *pl. 1-2* (uncol.). *Copy*: FH. – Issued as Mém. Acad. imp. Sci. St.-Pétersbourg ser. 7. 10(6). 1866.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 24: 329-330. Oct 1866.

**18.305.** *Exobasidium Vaccinii* ... Freiburg (Universitäts-Buchdruckerei von H.M. Poppen & Sohn) 1867. Oct.
*Publ.*: 1867 (Flora rd. Aug 1867), p. [i], [1]-20, *pl. 1-3*. *Copy*: NY. – Reprinted and to be cited from Verh. naturf. Ges. Freiburg 4(4): 397-416. *3 pl.* 1867.

**18.306.** *Zwei neue Formen von Schleimpilzen*: Ceratium hydnoides Alb. et Schw. und Ceratium porioides Alb. et Schw. ... St.-Pétersbourg (Commissionaires de l'Académie impériale des Sciences ...) 1873. Qu. (*Zwei Schleimpilz.*).
*Co-author*: André Sergejewitsch Famintzin (1835-1918).
*Publ.*: shortly after Oct 1873 (p. [ii]: printed Oct 1873), p. [i-ii], [1]-16, *pl. 1-3* (p.p. col.

liths. auct.). *Copy*: FH. – Issued as Mem. Acad. imp. Sci. St.-Pétersbourg ser. 7. 20(3). 1872.
*Preliminary publ.*: (with same title), Bot. Zeit. 30: 613-617. 23 Aug 1872.

**18.307.** *Vaucheria De Baryana* n.sp. ... [Separatabdruck aus der Botanische Zeitung 1880]. Oct.
*Publ.*: 18 Jun 1880, p. [1]-4, *1 pl. Copy*: B. – Reprinted and to be cited from Bot. Zeit. 38: 425-432. *pl. 7.* 1880. – For a preliminary publication see Arb. St. Petersb. Ges. Naturf. 11: 71. 1880 (Russian, n.v.).

**18.308.** *Chromophyton Rosanoffii* ... [Separatabdruck aus der Botanischen Zeitung 1880]. Oct.
*Publ.*: 10 Sep 1880, col. [1]-8, *pl. 9* (col. lith.). *Copy*: B. – Reprinted and to be cited from Bot. Zeit. 38: 625-631, *pl. 9.* 1880. – Preliminary notice see Arb. St. Petersb. Ges. Naturf. 11: 71. 1880 (Russian; n.v.).

**18.309.** *Über die Sclerotienkrankheit der Vaccinieen-Beeren.* Entwicklungsgeschichte der diese Krankheit verursachende Sclerotinien ... St. Pétersbourg (Commission[n]aires de l'Académie impériale des sciences ...) 1888. Qu. (*Sclerot.-Krankh. Vaccin.-Beer.*).
*Publ.*: Aug 1888 or shortly afterwards (date of printing; Bot. Zeit. 30 Nov 1888; Nat. Nov. Dec(2) 1888), p. [i-iii], [1]-49, *pl. 1-10* (p.p col. liths. auct.). *Copy*: FH. – Issued as Mém. Acad. Sci. St.-Pétersbourg ser. 7. 36(6). 1888.

**18.310.** *Die Sclerotienkrankheit der gemeinen Traubenkirsche* und der Eberesche (Sclerotinia Padi und Sclerotinia Aucupariae) ... St.-Pétersbourg (Commissionaires de l'Académie impériale des Sciences ...) 1895. Qu. (*Sclerot.-Krankh. Traubenkirsche*).
*Publ.*: Apr 1895 or shortly afterwards (date of printing on p. [ii]; Bot. Zeit. 16 Oct 1895), p. [i-ii], [1]-27. *pl. 1-5.* (p.p. col. liths. auct.). *Copy*: FH. – Issued as Mém. Acad. Sci. St.-Pétersbourg ser. 8. 2(1) 1895.

**18.311.** *Über Sclerotinia cinerea* und Sclerotinia fructigena ... St.-Pétersbourg (Commissionaires de l'Académie impériale des Sciences) 1900. Qu. (*Sclerotinia cinerea*).
*Publ.*: Aug 1900 or shortly afterwards (date of printing on p. [ii]; Nat. Nov. Jan(1) 1901), p. [i-ii], [1]-38, *pl. 1-6* (p.p. col. liths. auct.). *Copy*: FH. – Issued as Mém. Acad. Sci. St.-Pétersbourg ser. 8, 10(5).

**18.312.** *Beitrag zur Kenntnis der Monoblepharideen* ... St.-Pétersbourg (Commissionaires de l'Académie impériale des Sciences ...) 1904. Qu. (*Beitr. Monoblepharid.*).
*Publ.*: Sep 1904, or shortly afterwards (p. [ii] printed Sep 1904), p. [i-iii], [1]-24, *pl. 1-3* (p.p. col. liths. auct.). *Copies*: FH, G, H, Stevenson. – Issued as Mém. Acad. Sci. St.-Pétersbourg ser. 8. 16(4). 1904. – Published posthumously by W. Tranzschel.

**Worsdell, Wilson Crosfield** (1867-1957), American-born British horticulturist and botanist; studied horticulture in Holland and England; sometime demonstrator in botany at University College of London and working at the Jodrell Laboratory; acting professor of botany S. African College, Cape Town 1909-1910; lecturer in botany Victoria College, Stellenbosch 1912-1913; subsequently working at the Jodrell Laboratory and the Royal Botanic Gardens Kew. (*Worsdell*).

HERBARIUM and TYPES: BIRM (S. Afr. pl.); British plants at BDK, BM(K, alg.), GLW, K, NMW and QMC (see Kent & Allen, 1981).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 521; Biol.-Dokum. 19: 10187; BJI 2: 194; Bossert p. 443; CSP 19: 716-717; Desmond p. 677 (b. 15 Sep 1867, d. 29 Oct 1957); Langman p. 812; Moebius p. 146, 209; Rehder 5: 932; TL-2/12.808; Tucker 2: xli.

BIOFILE: Anon., Bull. misc. Inf. Kew 1909:22 (deputy prof. bot. S. Afr. Coll., Cape Town, replacing H.H.W. Pearson); Gard. Chron. 142: 378. 1957 (obit.); Index Amer. bot. lit. 1886-1966. 4: 582. 1969; Nat. Nov. 31: 241. 1909 (interim prof. bot. Cape Town).

Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 224.105. 1980.
Bullock, A.A., Bibl. S. Afr. bot. 131. 1978.
Burtt Davy, J., Bull. misc. Inf. Kew 1925: 367.
Gunn, M. & L.E. Codd, Bot. expl. S. Afr. 381. 1981.
Hutchinson, J., Taxon 2: 14-16. 1953 (biogr. sketch, portr.).
Kent, D.H. & D.E. Allen, Brit. Irish herb. 279. 1984 (coll.).
Levyns, M.R.B., Botanist's memoirs 3. 1968; Insnar'd with flowers 17, 18. 1977.
Verdoorn, F., ed., Chron. bot. 6: 416. 1941.

COMPOSITE WORKS: Editor of *Index londinensis, suppl. 1 and 2*, 1941, see O. Stapf, TL-2/12.808.

**18.313.** *The anatomy of the stem of Macrozamia* compared with that of other genera of Cycadeae... Annals of Botany ... 1896. Oct.
*Publ.*: Dec 1896, p. [601]-620, *pl. 27-28. Copy*: B. – Reprinted and to be cited from Ann. Bot. 10(40): 601-602, *pl. 27-28.* 1896.

**18.314.** *On "transfusion tissue"*: its origin and function in the leaves of gymnospermous plants ... London (printed for the Linnean Society ...) 1897. Qu.
*Publ.*: Dec 1897, cover-t.p., p. 301-319, *pl. 23-26. Copy*: BR. – Issued as and to be cited from Trans. Linn. Soc. London ser. 2. Bot., 5(8): 301-319, *pl. 23-26.* 1897.

**18.315.** *The vascular structure of the sporophylls of the Cycadaceae* ... Annals of Botany ... 1898.
*Publ.*: Jun 1898, p. [203]-241, *pl. 17-18. Copies*: B, BR. – Reprinted and to be cited from Ann. Bot. 12(46): [203]-241, *pl. 17-18.* 1898.

**18.316.** *The comparative anatomy of certain genera of the Cycadaceae* ... Extracted from the Linnean Society's Journal-Botany [1898]. Oct.
*Publ.*: 1 Jul 1898, p. [437]-457, *pl. 20. Copy*: B. – Reprinted and to be cited from J. Linn. Soc., Bot. 23: 437-457, *pl. 20.* 1898.

**18.317.** *Observations on the vascular system of the female "flowers" of Coniferae* ... Annals of Botany, ... 1899. Oct.
*Publ.*: Dec 1899, p. [527]-548, *pl. 27. Copy*: B. – Reprinted and to be cited from Ann. Bot. 13(52): [527]-548, *pl. 27.* 1899.

**18.318.** *The structure of the female "flower" in Coniferae.* An historical study ... Annals of Botany ... 1900. Oct.
*Publ.*: Mar 1900, p. [39]-82. *Copies*: B, BR. – Reprinted and to be cited from Ann. Bot. 14(53): [39]-82. 1900.

**18.319.** *The comparative anatomy of certain species of Encephalartos*, Lehm. ... London (printed for the Linnean Society ...) 1900. Oct.
*Publ.*: Oct 1900, cover-t.p., p. 445-459, *pl. 43. Copy*: BR. – Issued as and to be cited from Trans. Linn. Soc. London ser. 2, Bot. 5(14): 445-459, *pl. 43.* 1900.

**18.320.** *The affinities of the Mesozoic fossil, Bennettites Gibsonianus*, Carr. ... Annals of Botany, ... 1900. Oct.
*Publ.*: Dec 1900, p. [1]-4. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 14(56): 717-727. 1900.

**18.321.** *The morphology of the "flowers" of Cephalotaxus* ... Annals of Botany ... 1901. Oct.
*Publ.*: Dec 1901, p. [637]-652, *pl. 31. Copy*: B. – Reprinted and to be cited from Ann. Bot. 15(60): [637]-652, *pl. 35.* 1901.

**18.322.** *The evolution of the vascular tissue of plants* ... Reprinted from the Botanical Gazette ... 1902. Oct.
*Publ.*: 25 Sep 1902, p. 216-223. *Copy*: B. – Reprinted and to be cited from Bot. Gaz. 34(3): 216-223. 1902.

**18.323.** *The structure and morphology of the "ovule"*. An historical sketch ... Annals of Botany ... 1904. Oct.
*Publ.*: Jan 1904, p. [59]-86. *Copy*: B. – Reprinted and to be cited from Ann. Bot. 18(69): [59]-86. 1914.
*Ref.*: Solms, H., Bot. Zeit. 62: 373. 16 Dec 1904 (critical review).

**18.324.** *The structure and origin of the Cycadaceae* ... Annals of Botany ... 1906. Oct.
*Publ.*: Apr 1906, p. [129]-159. *Copies*: B, BR. – Reprinted and to be cited from Ann. Bot. 20(78): [129]-159. 1906.
*Ref.*: Solms, H., Bot. Zeit. 64: 305-307. 16 Oct 1906 (rev.).

**18.325.** *A study of the vascular system in certain orders of the Ranales* ... Annals of Botany ... 1908. Oct.
*Publ.*: Oct 1908, cover-t.p., p. [653]-682, *pl. 32-33*. *Copies*: B, BR. – Reprinted and to be cited from Ann. Bot. 22(88): [653]-682, *pl. 32-33*. 1908.

**18.326.** *The principles of plant-teratology* ... London (printed for the Ray Society ...) 1915, 2 vols. Oct. (*Princ. pl.-teratol.*).
*1*: 1915 (p. vii: 7 Oct 1915), p. [i]-xxiv, [1]-270, *pl. 1-25*, with text.
*2*: 1916, p. [i]-xvi, [1]-296, *pl. 26-53*, id.
*Copies*: BR, G, HH, MO, NY, PH.
*Ref.*: Rendle, A.B., J. Bot. 54: 149-150. 1916 (rev.).

**Worsley, Arthingon** (1861-1944), British civil engineer and amateur horticulturist; lived in Isleworth, Middlesex from 1894; specialist on Amaryllis. (*Worsl.*).

HERBARIUM and TYPES: Some material in K.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 521; BM 5: 2362; Desmond p. 677; Hortus 3: 1207.

BIOFILE: Aberconway, Herbertia 3: 9. 1936 (tribute, portr.).
Bullock, A.A., Bibl. S. Afr. bot. 131. 1978.
Urban, I., Symb. ant. 1: 177-178. 1898.
Worsley, A., Herbertia 3: 10-19. 1936 (autobiogr., portr., bibl.).

EPONYMY: *Worsleya* (W. Watson ex Traub) Traub (1944).

**18.327.** *Notes on the distribution of the Amaryllideae* and of certain liliaceous, irideous and other plants in Grand Canary, Cuba, Jamaica, and Venezuela with an enumeration of species ... London (William Wesley and Son ...) 1895. Oct. (*Not. distr. Amaryll.*).
*Publ.*: 1895 (Bot. Zeit. 16 Mai 1895; Nat. Nov. Apr(2) 1895), p. [1]-24. *Copies*: HH, U.

**Wortmann, Julius** (1856-1925), German (Westfalen) botanist; studied natural sciences at the University of Berlin 1875-1877 (especially with L. Kny), id. Würzburg 1877-1879 with J. Sachs; Dr. phil. Würzburg 1879; assistant with A. de Bary in Strassburg 1880-1884; habil. Strassburg 1883; lecturer ib. 1883-1891; head of the plant physiological experiment station at Geisenheim a. Rh. 1891-1895; from 1895-1925 with the title professor, ultimately as director of the station. (*Wortmann*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 522 (b. 15 Aug 1856, d. 28 Jun 1925); BM 5: 2363; CSP 11: 851, 12: 793, 19: 718-719; Frank 3( Anh.): 115; Jackson p. 81; LS 29318-29350a, 40716-40723, suppl. 30453-30455; Morren ed. 10, p. 28; Rehder 5: 933.

BIOFILE: Anon., Bot. Centralbl. 44: 416. 1890 (app. Geisenheim), 105: 16. 1907 (call to Berlin-Dahlem declined), 105: 160. 1907 (Geh. Regierungsrat); Bot. Zeit. 39: 131. 1881 (asst. Strassburg), 41: 423. 1883 (habil. Strassburg), 48: 803. 1890 (app. Geisenheim as of 1 Feb 1891), 53: 328. 1895 (professor's title); Nat. Nov. 17: 641.

1895 (professor's title), 29: 291. 1907 [erroneous:] appointed Berlin-Dahlem); Österr. bot. Z. 31: 170. 1881 (asst. Strassburg), 57: 255. 1907 ([erroneous:] appointed Berlin).
Muth, F., Ber. deut. bot. Ges. 43: (112)-(142). 1925 (obit., bibl., portr.).
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 352-354. 1914.
Schwendener, S., S.B. k. Preuss. Akad. Wiss. Berlin 38(2): 663-672. 1886 (zur Wortmann'schen Theorie des Windens).

**18.328.** *Ein Beitrag zur Biologie der Mucorineen* ... [Leipzig (Breitkopf & Härtel, ...) 1881]. Oct.
*Publ.*: 10, 17 Jun 1881 (in journal), p. [1]-6. *Copy*: NY. – Reprinted and to be cited from Bot. Zeit. 39: 368-374. 10 Jun, 383-387. 17 Jun 1881.

**18.329.** *Theorie des Windens* ... Separat-Abdruck aus der Botanischen Zeitung ... 1886. Oct.
*Publ.*: 23 Apr-28 Mai 1886 (in journal), p. [i-iii], [1]-28. *Copy*: B. – Reprinted and to be cited from Bot. Zeit. 44: 273-283. 23 Apr, 289-298. 30 Apr, 305-316. 7 Mai, 329-338. 14 Mai, 345-355. 21 Mai, 361-366. 28 Mai 1886.
*Note*: For criticism by Schwendener see Schwendener (1886), for a reply by Wortmann, Bot. Zeit. 44: 601-612. 1886; criticism by H. Ambronn, Ber. deut. bot. Ges. 4: 369-375. 1887; reply by Wortmann, Ber. deut. bot. Ges. 4: 414-421. 1887.

**Wossidlo, Paul** (1836-?), German (Posen) high school teacher and botanist; Dr. phil. Breslau 1860; teacher at the Breslau High School (Realschule), from 1870 director of a similar school in Tarnowitz (Upper Silesia). (*Wossidlo*).

HERBARIUM and TYPES: Unknown (possibly, if any, WRSL).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 522 (b. 11 Mai 1836); BM 5: 2363; CSP 6: 440; Herder p. 127; PR 10402-10404; Rehder 5: 933; Tucker 1: 754.

BIOFILE: Anon., Bot. Zeit. 28: 376. 1870 (app. Tarnowitz); Brit. Mus. gen. cat. print. books 261: 195. 1965.
Schmid, B. & C. Thesing, Biol.-Kalend. 1: 354. 1914.
Verdoorn, F., ed., Chron. bot. 2: 25. 1936.

**18.330.** *Quaedam additamenta ad psalmarum anatomiam.* Pars prior. Dissertatio inauguralis botanica quam consensu et auctoritate amplissimi philosophorum ordinis in alma literarum Universitate viadrina ad summos in philosophia honores rite capessendos die viii m. Augusti a. mdccclx h. xi publice defendet Paulus Wossidlo posnamiensis ... Vratislaviae [Breslau] (typis Leopoldi Freund) [1860]. Oct. (*Quaed. psalm. anat.*).
*Publ.*: 8 Aug 1860, p. [i-viii], [1]-23, [24, vita]. *Copies*: HH, M.

**18.331.** *Über die Structur der Jubaea spectabilis.* Ein Beitrag zur Anatomie der Palmen ... Jena (Friedrich Frommann) 1861. Qu. (*Struct. Jubaea*).
*Publ.*: 1861 (read 18 Aug 1860), p. [1]-31, [32], *pl. 1-5*. *Copies*: G, HH. – Issued separately and as part of Nova Acta Leop. 28. 1861 with independent pagination.

**18.332.** *Ueber Wachsthum und Struktur der Drachenbäume* ... Breslau (Druck von Grass, Barth u. Comp. ...) 1868. Qu. (*Wachsth. Strukt. Drachenbäume*).
*Publ.*: 1-29 Mar 1868, p. [i], [1]-32, *pl. 1-2* (uncol. liths.). *Copies*: HH, NSUB, NY. – Published as part of Jahresber. Realsch. Zwinger Breslau 1868.

**18.333.** *Lehrbuch der Botanik* für höhere Lehranstalten sowie zum Selbstunterricht ... Berlin (Weidmannsche Buchhandlung) 1887. Oct. (*Lehrb. Bot.*).
*Publ.*: Nov 1887 (p. vi: Sep 1887; Bot. Centralbl. 5-9 Dec 1887), p. [i]-x, [1]-402, col. veg. map. *Copy*: BR. – Review: M. Möbius, Bot. Centralbl. 33: 353. 1888.
*Note*: *Leitfaden der Botanik*, ed. 1 (1887, viii, 255 p.), ed. 2 (1890, viii, 256 p.), ed. 3 (1892, vii, 288 p.), ed. 4 (1894, vii, 288 p.), ed. 5 (1895, vii, 288 p.), ed. 6 (1897, vii, 290 p.), ed. 8 (1900, vii, 294 p.), ed. 9 (1902, vii, 294 p.), ed. 10 (1904, viii, 329 p.), ed. 11

(1906, viii, 329 p.), ed. 15 (1917, viii, 334 p.) (with note on paper shortage and limitation of edition dated Apr 1918), ed. 16 (1919, viii, 333 p.).

**18.334.** *Flora von Tarnowitz* und der angrenzenden Teile der Kreise Beuthen, Gleiwitz und Lublinitz. Zum Gebrauche auf Ausflügen, in der Schule und beim Selbstunterricht ... Beilage zum Oster-Programm des Königl. Realgymnasiums 1900. Tarnowitz 1900. Oct. (*Fl. Tarnowitz*).
*Publ.*: 1900 (p. [v*]: 12 Mar 1900; Bot. Centralbl. 4 Jul 1900; Bot. Zeit. 16 Jul 1900; Nat. Nov. Jun-Jul 1900), p. [i*-vi*], [i]-xvi, [1]-181, [182], [1]-9. *Copies*: B-S, GOET.

**Wóycicki, Zygmunt** (1871-1941), Polish botanist; studied at the University of Warsaw; professor of botany at the University of Lemberg (Lwow) 1913; later professor of general botany at the University of Warsaw. (*Wóycicki*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 522 (b. 5 Sep 1871); Hirsch p. 329; LS 29353, 40725, suppl. 30456-30457.

BIOFILE: Anon., Kat. lit. nauk. Polsk. 5 (1905): 23. 1906, 6 (1906): 21, 63, 64. 1907, 7 (1907): 21, 54. 1908, 8 (1908): 19, 20. 1909, 9 (1909): 21, 65, 66. 1910, 10 (1910): 67. 1911; Nat. Nov. 35: 351. 1913 (app. Lemberg); Österr. bot. Z. 63: 96. 1913 (app. Lemberg).
Bullock, A.A., Bibl. S. Afr. bot. 131. 1978.
Karpowiczowa, L., 150 Lat ogrodu bot. Univ. Warszaw 15. 1967.
Szafer, W., *in* P. Smit & R.J.C.V. ter Laage et al., Essays in biohistory 386. 1970 (Regn. veg. vol. 71; d. 1941).
Szymkiewicz, D., Bibl. fl. Polsk. 144-145. 1925; Acta Soc. Bot. Polon. 7(1): iii-viii. 1930 (bibl.).
Verdoorn, F., ed., Chron. bot. 3: 223. 1937.

NOTE: Wóycicki's son Stanisław Wóycicki (1897-1970) was a horticulturist at Warsaw University, long-time head of its Department of decorative plants; director of the Warsaw municipal gardens and long-time editor of *Acta Agrobotanica*. – For a biography and bibliography see H. Chmiel, Acta Agrobot. 23(1): 5-9. 1970.

FESTSCHRIFT: Acta Soc. Bot. Polon. 7, 1930.

**18.335.** *Obrázy roślinności królestwa Polskiego.* (Vegetationsbilder aus dem Koenigreich Polen) ... Warszawa 1912-1939, 20 fasc. (*Obraz. rośl. król. Polsk.*).
*1*: 1912, p. [i-xii], map, *pl. 1-10* with 2 p. text each; err. sheet.
*2*: 1912, p. [1]-36, *pl. 1-10.*
*3*: 1912, p. [1]-22, *pl. 1-10.* – ÖbZ Aug-Sep 1912.
*4*: 1913, p. [1]-34, *pl. 1-10.* – ÖbZ Apr 1913.
*5*: 1913, p. [1]-40, *pl 1-10.*
*6*: 1913, p. [1]-26, *pl. 1-10.*
*7*: 1914, p. [1]-32, *pl. 1-10.*
*8*: 1914-1916, p. [1]-34, *pl. 1-10.*
*9*: 1914-1917, p. [1]-24, *pl. 1-10.*
*10*: 1923, p. [1]-52, *pl 1-10.*
*11*: 1914-1917, p. [1]-38, *pl. 1-10.*
*12*: 1923, p. [1]-22, [23], *pl. 1-10.*
*13* ["11"]: 1927, map, p. [1]-36, *pl. 1-10.*
*14*: 1928, p. [1]-30, *pl. 1-10.*
*15*: 1929, p. [1]-28, *pl. 1-10.*
*16*: 1929, p. [1]-28, *pl. 1-10.*
*17*: 1930, err. slip, p. [1]-32, *pl. 1-10.*
*18*: 1931, err. slip, p. [1]-22, *pl. 1-10.*
*19*: 1931, p. [1]-22, *pl. 1-10.*
*20*: 1939, p. [1]-38, *pl. 1-10.*

*Copy*: BR.

**Woynar, Heinrich Karl** (1865-1917), Austrian botanist; studied pharmacy at the University of Innsbruck 1887-1889; from 1900 living at Graz as private scientist. (*Woyn.*).

HERBARIUM and TYPES: GZU. – Further material in GB, GJO, STU. – *Letters* at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 522; Hortus 3: 1207; IF suppl. 2: 39; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Österr. bot. Z. 67: 1184. 1918 (d. 7 Aug 1917).
Widder, F.J. & H. Teppner, Phyton 20(3-4): 207-213. 1980 (biogr., bibl., coll., b. 3 Jun 1865, d. 8 [not 7] Aug 1917).

NOTE: For H.K. Woynar's father, Johann Woynar (1829-1900), practicing pharmacist at Innsbruck, who also published on the flora of Tirol, see Widder & Teppner (1980). – Collections in GZU (and B, herb. Ullepitsch, E, GOET); letters e.g. at UPS-UB.

HANDWRITING: Phyton 20: 212. 1980.

**18.336.** *Bemerkungen über Farnpflanzen Steiermarks* ... Graz (Verlag des Naturwissenschaftlichen Vereines für Steiermark) 1913. Oct.
*Publ.*: 1913, p. [i], [120]-200. *Copy*: NY. – Reprinted and to be cited from Mitt. Naturw. Ver. Steiermark 49: [120]-200. 1912.

**Wredow, Johann Christian Ludwig** [Ludewig] (1773-1823), German (Mecklenburg-Schwerin) clergyman, teacher, cantor and botanist; teacher at the "Herzogliche grosse Schule" at Parchim; ultimately pastor at Parum. (*Wredow*).

HERBARIUM and TYPES: "Landschullehrer-Seminar" Ludwiglust (fide E. Boll, 1860; present location not known); see Wredow (1805) for the announcement of the publication of various sets of exsiccatae.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 523; BM 5: 2363; Herder p. 190, 367; PR 10406-10407, ed. 1: 11363-11365; Rehder 5: 933.

BIOFILE: Anon., Brit. Mus. cat. print. books 261: 285. 1965; Flora 6(2): 608. 1823 (obit. not.).
Boll, E., Fl. Meklenburg 177. 1860 (b. 10 Nov 1773, d. 11 Aug 1823; herbarium at Ludwigslust).
Ilg, W, Hoppea 306, 348. 1984.
Wredow, J.C.L., Bot. Zeit. Regensburg 4: 171-175. 1805 (offers various sets of plants for sale).

NOTE: Published also a popular book on gardening: *Der Gartenfreund*, ed. 1, Berlin 1818 (n.v.); ed. 2, Berlin 1823 (frontisp. engr. t.p., p. [i]-vi, [1]-562, [563, err.], [564, colo.]. *Copy*: NY; ed. 5, Berlin 1837; ed. 7, Berlin 1849; ed. 9, Berlin 1859; ed. 15, *Wredow's Gartenfreund*, by H. Gaerdt & E. Neide, Berlin 1878 (p. [i]-iv, [1]-736. *Copy*: G; ed. 17, Berlin 1885; ed. 18, ib. 1891. [A Karl Wredow was "Garteninspektor" in Berlin, d. 23 Mai 1889).

**18.337.** *Tabellarische Uebersicht* der in Mecklenburg wildwachsenden *phänogamischen Pflanzengeschlechten* nebst einer allgemeinen Einleitung in die Pflanzenkunde und einem, nach der Blüthenzeit geordneten, Verzeichnisse aller in Mecklenburg wildwachsenden, mit sichtbaren Blüthen versehenen oder phänogamischen Pflanzen. Ein Handbuch für Erzieher, Anfänger und Liebhaber der Pflanzenkunde ... Lüneburg (bey Herold und Wahlstab) 1807. Oct. (*Tab. Uebers. phän. Pfl.-Geschl.*).

*Publ.*: 1807 (rev. by Bot. Zeit., Regensburg 31 Oct 1807; available at Easter Fair, Leipzig 1808), p. [i]-xii, [1]-308. *Copy*: HH.

**18.338.** *Oekonomisch-technische Flora Meklenburgs*; oder Beschreibung nicht allein aller in Meklenburg wildwachsenden Pflanzen, sondern auch derer, welche sowohl in Feldern, Wiesen, Wäldern, Gemüse- Obst- und Blumengärten bey uns cultivirt werden, als auch vorzüglich cultivirt zu werden verdienen; zunächst für die Bewohner der Herzogthümer Meklenburg und die umliegenden Provinzen in botanischer, ökonomischer und technischer Rücksicht bearbeitet ... Lüneburg (Bey Herold und Wahlstab) 1811-1812, 2 vols. †. (*Oekon.-techn. Fl. Meklenb.*).
*1*: Jan-Apr 1811 (p. xviii: Apr 1810; available at Jubilate Messe, Leipzig 1811: Apr-Mai 1811), p. [i]-xviii, [1]-601, [602, err.]. – Linnaean classes 1-5.
*2(1)*: 1812 (p. viii: Feb 1812), p. [i]-viii, [1]-614. – Linnaean classes 6-13.
*Copies*: G, HH, NY.

**Wretschko, Matthias** [Ritter von] (1834-1914), Austrian teacher and naturalist; studied in Graz and Wien, teacher's examination 1857; Dr. phil. Wien 1859; teacher at a Gymnasium in Pesth (Budapest) 1859-1861; idem in Laibach (Ljubljana) 1861-1865; at the Academic Gymnasium in Wien 1865-1869; habil. Wien 1866; regional supervisor for natural sciences and mathematics in the high school system of S.E. Austria at Graz 1869-1877; idem for lower Austria in Wien 1877; ennobled 1883. (*Wretschko*).

HERBARIUM and TYPES: Unknown. – *Letters* to D.F.L. von Schlechtendal at HAL.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2363; CSP 8: 1276; Jackson p. 86, 91, 486; PR 10408-10410; Rehder 1: 90, 5: 933; WU 58: 204-207.

BIOFILE: Anon., Bot. Zeit. 27: 504. 1869 (app. Graz); Flora 52: 393. 1869 (app. Schulinspektor S.E. Austria, stationed at Graz); Neue Freie Presse, Wien, 2 Feb 1904 (biogr. sketch); Wiener Zeit. 12 Nov 1918 (d. 9 Nov 1918).

**18.339.** *Zur Entwicklungsgeschichte des Laubblattes* [in Jahresbericht des k.k. Obergymnasiums zu Laibach veröffentlicht am Schlusse des Schuljahres 1862. Laibach [ ] (Druck von Ign. v. Kleinmayr und Fedor Bamberg) 1862]. Qu. (*Entwicklungsgesch. Laubbl.*).
*Publ.*: Jun 1862, p. [1]-16. *Copy*: John Crerar Libr., Chicago.

**18.340.** *Vorschule der Botanik* für den Gebrauch an höheren Classen der Mittelschulen ... Wien (Druck und Verlag von Carl Gerold's Sohn) 1866. Oct. (*Vorschule Bot.*).
*Publ.*: 1866 (p. vi: am Leopoldstage 1865), p. [i]-xvi, [1]-207, [208, err.]. *Copies*: G, NY.
*Further eds.* (n.v.): ed. 2. 1877, ed. 3. 1880, ed. 6. 1898, ed. 7. 1901, ed. 8. 1907., ed. 9. 1913. – Also: *Kurzes Lehrbuch der Botanik*, Wien, Jul 1888, 141 p.

**18.341.** *Beitrag zur Entwicklung der Inflorescenz* in der Familie *der Asperifolien* ... Wien (Selbstverlag des k.k. akademischen Gymnasiums) 1866. Qu. (*Beitr. Entw. Infl. Asperif.*).
*Publ.*: Jul-Aug 1866 (p. 23: Jun 1860), p. [i], [1]-23. *Copies*: NY, U. – Published in Jahrb.-Ber. k.k. Akad. Gymn. Wien 1865-1866: 1-23. 1866.

**18.342.** *Beitrag zur Entwicklungsgeschichte der Cruciferen-Blüthe* ... Aus dem lviii Bde. d. Sitzb. d. f. Akad. d. Wissensch. ... 1868. Oct.
*Publ.*: 1868 (read 23 Jul 1868; Bot. Zeit. 9 Apr 1869; Flora 24 Feb 1869), cover-t.p., p. [1]-16. *pl. 1-2* (uncol. liths.). *Copies*: G, U. – Reprinted and to be cited from S.B. Akad. Wiss., Wien, I. Abth. 58: 211-226. 1868.

**Wright, Albert Allen** (1846-1905), American geologist and naturalist; studied at Oberlin College, A.B. 1865; two years at Union Theological Seminary; degree theology Oberlin Seminary 1870; Ph.D. School of Mines, Columbia Univ. 1875; teacher in Cleveland Institute 1865-ca. 1867, at Berea College, Kentucky 1870-ca. 1872; professor of geology and natural history Oberlin College 1874-1905. (*A.A. Wright*).

HERBARIUM and TYPES: OC. – *Letters* at GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 523; BL 1: 208; BM 5: 2363; Bossert p. 443; Quenstedt p. 469; Rehder 1: 315; Tucker 1: 755.

BIOFILE: Anon., Entom. News 16(5): 160. 1905 (obit. not.); Amer. men sci. ed. 1. 364. 1906; Index Amer. bot. lit. 1886-1966. 4: 583. 1969; Science ser. 2. 21: 600. 1905 (d.); Who's who Amer. 1-3. 1899-1905; Who was who Amer. 1: 1383. 1968.
Elliot, C.A., Biogr. dict. Amer. sci. 281-282. 1979 (b. 27 Apr 1846, d. 2 Apr 1905).
Jones, L., Ohio Naturalist 5: 351. 1905 (memorial statement).
Root, A.S. & H.C. King, Oberlin Alumni Mag. 1(8): 205-222. 1905 (obit., portr.).
Wilder, F.A., Bull. Geol. Soc. Amer. 17: 687-690. 1906 (obit., list publ.).
Wright, G.F., Amer. Geologist 36: 65-68. 1905 (portr., obit., list publ.; b. 27 Apr 1846, d. 1 Apr 1905).

**18.343.** *Preliminary list of the flowering and fern plants of Lorain County*, Ohio ... Oberlin, Ohio (E.J. Goodrich) 1889. Oct. (*Prelim. list pl. Lorain Co.*).
*Publ.*: 1889 (p. 5: Jun 1889), cover, map, p. [1]-30. *Copies*: HH, MICH, MO, NY, PH, US(2), USDA. – Laboratory Bulletin Oberlin College no. 1.
*Additions*: 1893 (p. [2]: 1 Jan 1893), cover, map, p. [1]-11. *Copies*: HH, NY, US(2), USDA. – Laboratory Bulletin Oberlin College no. 1, Supplement.

**Wright, Charles** (1811-1885), American botanical collector; studied at Yale College 1831-1835; private teacher at Natchez, Mississippi 1836-1837; teacher in Zarvala and Rutersville, Texas 1837-1847; volunteer in the U.S. Army 1847-1848 during the Mexican war, collected for Asa Gray in the Mexican Boundary Region; 1849-1850 with the U.S. Army from San Antonio to El Paso on the Rio Grande; teacher in Central Texas 1850-1852; botanist and surveyor on the Graham Boundary Survey 1851-1852; returned to Cambridge, Mass.; on the North Pacific Exploring Expedition under capt. Ringgold and comm. J. Rodgers 1853-1855; visited Nicaragua 1855; collected in Cuba on various trips 1856-1867; working at Cambridge 1867-1871; visited Sto. Domingo 1871; working in Cambridge from 1871-1876; in retirement at Wethersfield, Conn. 1876-1885. (*C. Wright*).

HERBARIUM and TYPES: GH (general colls.), US (Mexican Boundary Survey, Ringgold Exp.).
*Duplicates of Texas collections*: DPU, FI, G, K, MO, OXF, PH, SMU, YU. – For labelling of Texas plants see Ewan (ed. 1: 342), Wooton (1906) and Shaw (1987).
*Duplicates from Ringgold and Rodgers N. Pacific Expl. Exp.*: FH, K, LE, PH.
*Duplicates from New Mexico*: BM, CGE, F, FI, G, MO.
*Duplicates from Mexico*: FI, G, L.
*Duplicates from Nicaragua*: GOET, K, MO, US.
*Duplicates from Cuba*: B (mainly destr.), BM, BP, BR, BREM, BRU, BUF, CGE, DPU, E, F, FH, G, G-DC, GOET (impt. set), HAB (impt. set), HAC, K, L, LE, MA, MO, NY, P, PH, S, TCD, US, W, WELC.
*Mosses* (Cuba): BM(BM-K), FH, G, H.
*Lichens* (Cuba): BM, G, H-Nyl., M, PC, TCD, TUR-V, WRSL.
*Fungi* (Cuba): B (destr.), BPI, BUF, FH, G, K(BM-K), LPS, PC, NY, NYS.
For *Fungi cubenses wrightianae* see Stevenson, Beih. Nova Hedw. 34: 526-527. 1971.
*Algae* (Cuba): FH, W.
*Ferns* (Cuba): IA.
*Santo Domingo*: GH, K, US (see Howard, R.A. 1961).
For more details see Shaw (1987) and the coming treatment in I.H. Vegter, *Index Herbariorum Collectors Index*.
*Manuscripts*: GH. – *Letters*: GH (impt. set), NY, UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 696-697, 6(1): 3; Barnhart 3: 523 (b. 29 Oct 1811, d. 11 Aug 1885); BM 5: 2364; Bossert p. 443; Bret. p. 391, 393-400; Clokie p. 267; CSP 8: 1276, 12: 794, 19: 721; DAB 20: 545-546; Ewan ed. 1: 11, 64, 342, ed. 2: 244; Frank 3 (Anh.): 115; GR p. 200, cat. p. 73; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Lenley p. 442, 472; LS 29364; ME 1: 243, 3: 682 [index]; Morren ed. 10, p. 118; TL-

1/329i, 433, 541, 13.408, 15.581 and see W.H. Emory and indexes; Tucker 1: 14; Urban-Berl. p. 273, 284, 318, 323, 411; Zander ed. 10, p. 732, ed. 11, p. 838.

BIOFILE: Anon., Biogr. hist. record Class of 1835 Yale College 174-180. 1881; Bot. Gaz. 10: 371. 1885 (d.); Bot. Zeit. 8: 136. 1850 (collecting in Texas); Flora 65: 192. 1882 (distr. of lichens from Cuba); Österr. bot. Z. 8: 75. 1858 (returns from Cuba to Cambridge); Who was who Amer., Hist. vol. 598. 1963.
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Elliott, C., Biogr. dict. Amer. sci. 282. 1979.
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Geiser, S.W., Southwest Review 25: 343-378. 1930; Field and Laboratory 4: 23-32 (1849 trip), 54. 1936, 27: 251. 1959; Naturalists frontier 172-198, 296. 1948.
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Gray, J.L., Letters Asa Gray 838 [index]. 1893.
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Müller, J., Argov., Bot. Zeit. 42: 14. 1884 (distr. lichens Wright).
Pfister, D.H., Cryptogams of the United States North Pacific Exploring Expedition 1853-1856, Cambridge, Mass. 1978.
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Schlechtendal, D.F.L. von, Bot. Zeit. 12: 128-130. 1854 (rev. of Gray's Pl. Wrightianae).
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NOTE: (1) See A. Gray, *Plantae wrightianae* 1852-1853 for a first account of the Texas and New Mexico coll., TL-2/2127.
(2) See A.H.R. Grisebach, *Plantae wrightianae*, e Cuba orientali, 1860-1862, TL-2/2182 and *Catalogus plantarum cubensium* 1866, TL-2/2184.
(3) See D.C. Eaton, *Filices wrightianae et fendlerianae* 1860, TL-2/1616.

(4) For exsiccatae *Graphideae cubenses* see Müll. Arg., TL-2/3: 628.
(5) For taxa to be cited as C. Wright *in* F.A. Sauvalle, *Fl. cub.* 1868-1873, see TL-2/10.371.
(6) See W.S. Sullivant for W.S. Sullivant and L. Lesquereux, *Characters of some new musci* collected by Charles Wright in the North Pacific Exploring Expedition 1859, TL-2/13.406.
(7) See J. Müller Argov., *Arthoniae et Arthothelic* species wrightianae in insula Cuba lectae, Bull. Herb. Bois. ser. 1. 2: 725-736 (1-12) Dec 1894. (TL-2/6472).

HANDWRITING: Wagenitz, G., Index coll. princ. herb. Gott. 214. 1982.

EPONYMY: (genera): *Carlowrightia* A. Gray (1878); *Wrightiella* Spegazzini (1924); (journal): *Wrightia*, a botanical journal. Dallas, Texas, U.S.A. Vol. 1-, 1945/1951-. *Note*: *Wrightioporia* Z. Pouzar (1966) was named for Jorge E. Wright (1922-x), Argentine mycologist.

**Wright, Charles Henry** (1864-1941), British botanist; studied at Oxford University; assistant Kew Herbarium 1884-1908, asst. keeper ib. 1908-1929; asst. examiner in botany, S. Kensington 1899-1901; lecturer in botany 1905-1929. (*C.H. Wright*).

HERBARIUM and TYPES: RAMM and K; further material in BM (bryoph.), NY. – *Letters* at NY (incl. some mss. notes).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 523 (b. 5 Jun 1864, d. 21 Jun 1941); BB p. 336; BJI 1: 64; BL 1: 61, 89, 92, 121, 144, 324; BM 5: 2364; Bossert p. 443; Bret. p. 824; CSP 19: 721; Desmond p. 678; GR p. 421; Hortus 3: 1207; IF p. 738, suppl. 1, p. 86; Lenley p. 442, 4183, 29363; MW p. 536; Rehder 2: 68; TL-2/1814, 2448, 7055, see T. Cooke; TL-2/see E.F. Vallentin; Tucker 1: 755, 3: 341; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Bull. misc. Inf. Kew 1897: 227, 1909: 150, 1912: 305, 1919: 115, 1929: 265-266 (at Kew 1884-1929; retirement), 1950: 313; Gard. Chron. ser. 3. 82: 42. 1927 (obit.); Index Amer. bot. lit. 1886-1966, 4: 583-584. 1969; J. Bot. 79: 136. 1941 (d.); Who's who London 1919-1941; Who was who London 1941-1950: 1266.
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(2) *List of the plants*, *in* Henry H. Johnston, ed., *The Uganda Protectorate* 1: 329-351. 1902.
(3) With R.N. Rudmose Brown and O.V. Darbishire, *The botany of Gough Island*, *in* Scottish National Antarctic Expedition, Rep. Sci. Res. Voy. S.Y. Scotia vol. 3, botany, no. 3. 1912, see BM 4: 1886.
(4) Introductory note to S.T. Dunn, *Description of new Chinese plants*, J. Linn. Soc., Bot. 35: 453-518. 1904.
(5) Co-editor (with Daniel Dewar), *Johnson's gardener's dictionary*, London 1894.
(6) Contributed to W.B. Hemsley et al., *Fl. Aldabra*, Bull. Misc. Inf. Kew 1919(3).
(7) Contributed to D. Oliver, *Fl. trop. Afr.* (TL-2/7055):
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*Burmanniaceae*, 7(1): 10-12. Dec 1897.
*Palmae*, 8(1): 97-127. Jun 1901.
*Pandaneae*, 8(1): 127-133. Jun 1901.
*Alismaceae*, 8(2): 206-214. Sep 1901.

*Solanaceae*, 6(2, 2): 315-316. 1917.
*Casuarineae*, 6(2, 2): 315-316. 1917.
(With J.G. Baker): *Nyctagineae* 6(1, 1): 1-9. Mar 1909.
(Id.) *Polygonaceae*, 6(1, 1): 98-120. Mar 1909.
(Id.) *Cytinaceae* , 6(1, 1): 130-134. Mar 1909.
(Id.) *Monimiaceae*, 6(1, 1): 167-171. Mar 1909.
(Id.) *Proteaceae*, 6(1, 2): 193-211. Dec 1910.
(8) Contributed to Harvey & Sonder, *Fl. capensis* (TL-2/2448):
*Plumbaginaceae*, 4(1, 3): 418-426. Oct 1906.
(With W.H. Harvey): *Primulaceae*, 4(1, 3): 426-431. Oct 1906.
(Id.) *Oleaceae*, 4(1,3): 478-480. Oct 1906.
*Hydrophyllaceae*, 4(2, 1): 1-2. Feb 1904.
*Solanaceae*, 4(2, 1): 87-121. Feb 1904.
*Amarantaceae*, 5(1, 2): 402-433. Mai 1910 (with T. Cooke).
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*Piperaceae*, 5(1, 3): 487-492. Jan 1912.
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*Scitamineae*, 5(3, 2): 313-319. Mar 1913.
*Palmae*, 7(1): 28-30. Dec 1897.
(9) Contributed many entries to *Bot. Mag.* 1906-1913.
(10) Compiler of *Hand-list of ferns and fern allies*, Royal Botanic Gardens Kew, ed. 2. 1906 (see J. Bot. 44: 288. Aug 1906).
(10) Contributed to N.E. Brown et al., *Report on two botanical collections ... at Mount Roraima in British Guiana*, Trans. Linn. Soc. Bot. ser. 2. 6: 1-107, *14 pl.* 1901.

**18.344.** *Mosses of Madagascar* ... From the Journal of Botany ... 1888. Oct.
*Publ.*: Sep 1888, p. [1]-8. *Copy*: NY. – Reprinted and to be cited from J. Bot. 26: 263-268. 1888.

**18.345.** *Flora of the Falkland Islands* ... Extracted from the Linnean Society's Journal-Botany ... 1911. Oct.
*Publ.*: Jul 1911, p. [313]-339. *Copy*: Peterson. – Reprinted and to be cited from J. Linn. Soc. Bot. 39: 313-339. 1911.

**Wright, Edward Perceval** (1834-1910), Irish naturalist; MA Dublin 1857, MD ib. 1862; lecturer in zoology Trinity College, Dublin 1858-1868; professor of botany ib. 1869-1904; keeper of TCD 1870-1910; collected on the Seychelles 1867, in Sicily and Portugal 1868. (*E. Wright*).

HERBARIUM and TYPES: TCD. – Further material at BM (Seychelles), FRS, K (Seychelles), MO, OXF. – *Letters* at FH, G, K.

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BIOFILE: Anon., Bot. Centralbl. 113: 464. 1910 (d.); Brit. Mus. gen. cat. print. books 261: 363-364. 1965; Flora 52: 144. 1869 (prof. bot. TCD); Nat. Nov. 26: 253. 1904, 32: 209. 1910 (d.); Nature 83: 73-74. 1910 (obit.); Not. Bot. School. Trin. Coll. Dublin 2: 91-97. 1910 (obit., portr., list publ.); Österr. bot. Z. 19: 162. 1869 (prof. bot. TCD), 60: 167. 1910 (d.); Science ser. 2. 31: 454. 1910 (d.); Who's who London 1897-1910; Who was who London 1897-1915. 782. 1935.
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COMPOSITE WORKS: Editor, *Natural History Review*, London & Dublin, vols. 1-7, [1853-] 1854-1860, ser. 2. 1-5. 1861-1865.

EPONYMY: *Wrightiella* Schmitz (1893).

**18.346.** *Contributions towards a knowledge of the flora of the Seychelles* ... Dublin (printed by M.H. Gill, ...) 1869. Qu.
*Publ.*: 1869 (read 14 Dec 1868), p. [i], [571]-577, [578, expl. pl.], *pl. 27-30* (uncol. liths. W.H. Fitch). *Copy*: HH. – Reprinted and to be cited from Trans. R. Irish Academy, 24 (Sci. 13): 571-578. 1869.

**18.347.** *Spicilegia phycologica* ... Dublin (The Herbarium, Trinity College) 1879. Qu.
*Publ.*: Aug 1877 and Jan 1879 (Spicilegia Jan 1879; see below), p. [i], [1]-62, *pl. 1-6*. *Copies*: G, H, US. – Contains:
*1*: Aug 1877 (erroneously Aug 1879 on reprint cover), *On a new species of parasitic green algae* ... preprinted from Trans. R. Irish Acad. 26(8): 355-358. *pl. 1-2*. 1879.
*2*: Aug 1877 (id.). – *On a species of Rhizophydium* ... id. 26: 369-380, *pl. 3*. 1879.
*3*: Jan 1879 (sic, printed Jul 1878, publ. Jan 1879. – *On the Cell-structure of Griffithsia setacea*. – Id. 26: 491-510, *pl. 4-5*. 1879.
*4*: Jan 1879 (id.). *On the formation of the so-called "Siphons" ... in Polysiphonia*. – Id. 26: 511-526, *pl. 6*. 1879.
*Note*: FH has copies of the original publication in the Transactions of these four papers, with the reprint pagination and journal covers: nos. 1 and 2 in Trans. 26, papers 1 and 2, p. [i], [1]-26, *pl. 1-3*, journal cover dated "August 1877" [sic, not 1879 as on Spicilegia t.p.], and nos. 3 and 4 (papers 18 and 19 in journal volume), p. 27-46, *pl. 4-5*, p. 47-62, *pl. 6*. Jan 1879 [text printed Jul 1878; plates Jun 1879].

**18.348.** III. *On Blodgettia confervoides* of Harvey, forming a new genus and species of fungi ... IV. On a new genus and species of unicellular algae, living on the filaments of Rhizoclonium Casparyi ... Dublin (published by the Academy, ...) 1881. Qu.
*Publ.*: Feb 1881 (date on journal cover), cover-t.p., p. 21-26, *pl. 2*, p. 27-30. Copy: FH. – Issued as and to be cited from Trans. R. Irish Acad. 28, Sci. 21-30, *pl. 2*. 1881.

**Wright, John** (1811-1846), American physician and naturalist; studied at the Rensselaer Polytechnic Institute (N.Y.) (with Amos Eaton); graduated in medicine at Yale College 1833; practicing physician at Troy, N.Y.; with the Michigan geological survey 1838; professor of natural history in the Rensselaer Institute 1838-1845. (*J. Wright*).

HERBARIUM and TYPES: MICH (500); further material in NA (Mich. coll. via Martindale herb. from Zina Pitcher herb.; inf. E.G. Voss). – *Letters* at NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 524 (b. 2 Feb 1811, d. 11 Apr 1846); BL 1: 204; BM 5: 2365; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed. 7): 346; Lenley p. 472; ME 1: 243, 2: 636, 639, 3: 422; Rehder 1: 313; TL-2/1614; Tucker 1: 755.

BIOFILE: Jelliffe, S.E., Cycl. Amer. med. biogr. 532-533. 1912; *in* H.A. Kelly & W.L. Burrage, Amer. med. biogr. 1269. 1920.
McVaugh, R., Mich. Botanist 9: 213-243. 1970 (on bot. results Mich. Geol. Survey; major source of information, coll.).
Meyer, F.G. & S. Elsasser, Taxon 22: 383. 1973 (Mich. coll. NA).
Voss, E.G., Contr. Univ. Mich. Herb. 13: 22-25, 68. 1978.

COMPOSITE WORKS: Co-author with A. Eaton, *North American botany* Jun 1840 (ed. 8 of Eaton's *Man. bot.*), TL-2/1614.

HANDWRITING: Michigan Botanist 9: 230. 1970.

**18.349.** *Catalogue of plants*, growing without cultivation, *in the vicinity of Troy*, ... Troy (N. Tuttle, printer ...) 1836. Oct. (in 4-s). (*Cat. pl. Troy*).
*Junior author*: James Hall (of Albany) (1811-1898), see TL-2/2: 22-23.
*Publ.*: 1836 (p. [2]: Mar 1836), p. [1]-42. *Copies*: HH, MICH, MO, NY(2), PH, US, USDA.

**18.350.** *Report of Doct. John Wright*, Botanist of the Geological Survey ... [Ann. Rep. State Geol. Survey Mich. ... 1839]. Oct.
*Publ.*: 1839 (p. 17: 1 Jan 1839), p. 17-44. *Copy*: NY. – Reprinted (or tearsheet) and to be cited from Ann. Rep. State Geol. Surv. Michigan 2(app.): 17-44. 1839, but see also McVaugh (1970), p. 225, footnote 18.

**Wright, William** (1735-1819), British physician and botanist; studied medicine at Edinburgh University; to Greenland 1757; surgeon's mate in the British navy 1758-1763, visiting e.g. Jamaica; MD St. Andrews; practicing physician on Jamaica 1764-1777; in London 1777-1779; regimental surgeon in the Jamaican regiment 1779; in Spanish captivity 1779-1781; again in Jamaica 1781-1785, ultimately as physician-general; settled in Edinburgh 1788 (1786?); visited Barbados 1796-1798; from 1798 again in Edinburgh. (*W. Wright*).

HERBARIUM and TYPES: BM (major set in herb. Banks), E (3 vols.), and LIV (1 vol.). – Further material in BR (identified by J.R. Brown), G, K, OXF. – *Letters* BM, DTC.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 629; Barnhart 3: 524 (b. Mar 1735); BB p. 336; BM 5: 2365; Clokie p. 268; CSP 6: 446; Dawson p. 882; Desmond p. 679-680 (d. 19 Sep 1819); DNB 63: 136-137; Dryander 3: 463, 476, 499, 513; Hortus 3: 1207; Plesch p. 464; PR 10411, ed. 1: 11366; Rehder 5: 933; Tucker 1: 755.

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[Cockerell, T.D.A.], J. Inst. Jamaica 2(2): 183. 1895 (text on portrait in Jamaica Portrait Gallery).
Fawcett, W., J. Bot. 60: 330-334. 1922 (biogr. sketch, colls.).
Hall, T.B., Naturalist 4: 399. 1839 (plants from Jamaica in Liverpool Bot. Gard.).
Miller, H.S., Taxon 19: 545-546. 1970 (coll.; Lambert material, now at G?).
Stafleu, F.A., et al., *in* C.L. L'Héritier, Sertum angl., facs. ed. 1963, p. lix, lxxiv, 6.
Stearn, W.T., J. Arnold Arb. 46: 272. 1965.
Stearns, R.P., Osiris 8: 116-117. 1948.
Urban, I., Symb. ant. 1: 59, 178-179. 1898, 3: 144-145. 1902 (coll.), 7(1): 77. 1911 (on erroneously labeled Barbados plants at BM and K).

NOTE: (1) See e.g. Urban, (1898) for the still relevant botanical publications by Wright on Jamaican plants:
(a) *Description of the Jesuits bark tree of Jamaica and the Caribbees*, Phil. Trans. R. Soc. London 67: 504-506, *pl. 10.* 1777.
(b) *Descriptions and use of the Cabbage-bark tree of Jamaica*, id. 67: 507-512, *pl. 10.* 1777.
(c) *An account of the medicinal plants growing in Jamaica*, London med. J. 8(3): 217-295. 1787. – Reprinted in *Mem. late William Wright*, London & Edinburgh 1828, p. 183-245; *Essai sur les plantes usuelles de la Jamaïque*, J. Phys. Hist. nat. 32(1): 347-361. Mai 1788, 401-419. Jun 1788.
(d) *A botanical and medical account of the Quassia Simaruba*, ... Trans. R. Soc. Edinburgh 2: 73-81, *pl. 1-2.* 1790, text also in London med. J. 11: 91-102. 1790.
(2) A manuscript "*Plants of Jamaica* by Will$^{m}$ Wright M.D. F.R.S." is kept in the Local History Section of the Liverpool city Libraries. The introduction is dated London 29$^{th}$ May 1786; the text is accompanied by 42 dried specimens (inf. Edmondson 25 Nov 1985).

EPONYMY: *Wrightea* Roxburgh (1832); *Wrightia* R. Brown (1810).

**Wuensche, Johann Georg** (*fl.* 1804), German (Prussian-Saxony) physician and botanist at Wittenberg. (*J. Wuensche*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2366; PR 10413, ed. 1: 11367; Rehder 1: 375.

**18.351.** *Enumeratio plantarum circa Vitebergam* in aquis, locis paludosis et humidis praecipuarum nec non officinalium sponte crescentium ... Vitebergae [Wittenberg] (apud Sam. God. Zimmermann) 1804. Oct. (*Enum. pl. Viteberg.*).
*Preface*: by Traugott Karl August Vogt (1762-1807).
*Publ.*: 1804 (p. xvi: Mar 1804), p. [i]-xvi, [1]-101, [102]. *Copy*: NY.

**Wünsche, [Friedrich] Otto** (1839-1905), German (Saxonian) botanist and high school teacher; studied at the teachers college of Bautzen 1855-1859; teacher's examination 1859; teacher at Bernbruch nr. Kamenz 1859-1860; at Zittau 1860-1867; teacher for natural sciences and geography at the Zwickau Gymnasium 1867-1904; Dr. phil. Leipzig 1871; professor's title 1891. (*O. Wünsche*).

HERBARIUM and TYPES: Location unknown (offered for sale Allg. bot. Z. 15 Feb 1906, cover; ca. 5680 specimens). – Some material in GOET.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 525 (b. 19 Mar 1839, d. 6 Jan 1905); BFM 486; Biol.-Dokum. 19: 10197; BL 2: 195; BM 5: 2366; CSP 19: 727, 8: 1282; DTS 1: 332; Futak-Domin p. 663; GR p. 156; Herder p. 485; Jackson p. 164, 296, 310, 312; Kelly p. 243; LS 29383-29386, 40727-40729; Morren ed. 10, p. 23; PR 10414-10415; TL-2/2725, 4398, 16.290; Tucker 1: 755.

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Berge, R., Jahresber. Ver. Naturk. Zwickau 43-44: 1-7. 1907 (obit., portr.).
Bettelheim, A., ed., Biogr. Jahrb. deut. Nekrol. 10: 275*. 1907.
Schmid, G., Goethe u.d. Naturw. nos. 1264, 1265. 1940.
Schorler, B., S.B. Abh. Naturw. Ges. Isis, Dresden, xv-xvii. 1905 (obit; "furchtbare Schriftstellerische Tätigkeit").
Wagenitz, G., Index coll. princ. herb. Gott. 184. 1982.
Wünsche, B. et al., [Death notice] 6 Jan 1905 (*copy*: B).

COMPOSITE WORKS: (1) Published and revised E. Schmidlin, *Anleit. Bot.* eds. 3-4, 1882-1904, see TL-2/10.870.
(2) Edited H.O. Lenz, *Nutz. schädl. Schwämme* eds. 6 and 7, 1879 and 1890, see TL-2/4398.
(3) H. Heukels, *Schoolfl. Nederl.* 1883, TL-2/2725, was based on O. Wünsche, *Schulfl. Deutschl.* 1877.
(4) H. Vogel, *Flora von Thüringen* ... Im Anschluss an die "Schulflora von Deutschland" von Dr. O. Wünsche bearbeitet 1875.

**18.352.** *Excursionsflora für das Königreich Sachsen* und die angrenzenden Gegenden. Nach der analytischen Methode bearbeitet ... Leipzig (Druck und Verlag von B.G. Teubner) 1869. Oct. (*Excurs.-Fl. Sachsen*).
*Ed.* [1]: Oct 1869 (p. iv "Ende Juni 1869"; Flora 10 Nov 1869; Bot. Zeit. 12 Nov 1869; rev. P.A. Ascherson, Bot. Zeit. 29: 376-380. 1871), p. [i]-xlviii, [1]-319. *Copies*: HH, NY.
*Ed. 2*: 1875 (p. iv: Dec 1874), p. [i]-lv, [1]-422. *Copy*: HH. – *Excursionsflora* ... *Die*

*Phanerogamen* Zweite Auflage. Leipzig (id.) 1875. Oct. (*Excurs.-Fl. Sachsen, Phan.*). The ferns are no longer treated: They will be included in the forthcoming *Schulflora von Deutschland, Die Cryptogamen* (fide preface ed. 2, p. [v]).

*Ed. 3*: 1878 (p. [vii]: 3 Mar 1878), p. [i]-lxiv, [1]-420. *Copy*: HH.

*Ed. 4*: Mar 1883 (p. vii: 28 Feb 1883; Bot. Zeit. 27 Apr 1883; Bot. Centralbl. 11-15 Jun 1883; Nat. Nov. Mar(2) 1883), p. [i]-lxiv, [1]-422. *Copy*: HH.

*Ed. 5*: Mai-Jun 1887 (p. [vii]: 10 Apr 1887; Bot. Zeit. 29 Jul 1887; Bot. Centralbl. 8-12 Aug 1887; Nat. Nov. Jul(2) 1887), p. [i]-lxiv, [1]-424. *Copy*: HH.

*Ed. 6*: Jul 1891 (p. v: 14 Mai 1891; Bot. Centralbl. 12 Aug 1891; Bot. Zeit. 25 Sep 1891; ÖbZ for Aug 1891; Nat. Nov. Sep(1) 1891), p. [i]-xxviii, [1]-468. *Copy*: HH. – *Exkursionsflora* ... Die *Höheren Pflanzen* ... Leipzig (id.) 1891. Oct. (*Exkurs.-Fl. Sachsen Höh. Pfl.*).

*Ed. 7*: Dec 1895 (ÖbZ for Jan 1896; Bot. Centralbl. 5 Feb 1896; Bot. Zeit. 16 Feb 1896; Nat. Nov. 1 Jun 1896), p. [i]-xxiv, [1]-475. *Copy*: B.

*Continued as Die Pflanzen des Königreichs Sachsen* ... achte Auflage. Leipzig 1899, q.v.

**18.353.** *Schulflora von Deutschland.* Nach der analytischen Methode bearbeitet ... Die *Phanerogamen.* Leipzig (Druck und Verlag von B.G. Teubner) 1871. Oct. (*Schulfl. Deutschl. Phan.*).

*Ed. [1]*: Aug-Sep 1871(p. iv: Jul 1871; Flora 14 Oct 1871; Bot. Zeit. 10 Nov 1871; rev. A. Kanitz, Österr. bot. Z. 21: 370-372. 1871), p. [i]-xlvii, [1]-326, [327, err.]. *Copies*: HH, NY.

*Ed. 2*: Jul 1877 (p. iv: Jun 1877; Bot. Zeit. 17 Aug 1877), p. [i]-lx, [1]-412. *Copies*: HH, M, NY.

*Ed. 3*: Jan-Feb 1881 (p. iv: Oct 1880; Bot. Centralbl. 4-8 Apr 1881; Bot. Zeit. 27 Mai 1881; Nat. Nov. Mar(2) 1881), p. [i]-lxii, [lxiii], [lxiv, err.], [1]-427. *Copy*: HH.

*Ed. 4*: Jun-Aug 1884 (p. iv: 30 Mar 1884; Nat. Nov. Sep(2) 1884; Bot. Centralbl. rev. 10-14 Nov 1884), p. [i]-lxii, [lxiii], [1]-428. *Copy*: BR.

*Ed. 5*: Aug-Oct 1888 (p. iv: 4 Feb 1888; Bot. Centralbl. 19-23 Nov 1888; Bot. Zeit. 30 Nov 1888), p. [i]-lxvi, [1]-430. *Copy*: M. – *Schulflora von Deutschland* ... *Die höheren Pflanzen* (*Schulfl. Deutschl., höh. Pfl.*).

*Ed. 6*: Mai 1892 (p. v: 12 Apr 1892; Bot. Centralbl. 28 Jun 1892; Bot. Zeit. 2 Sep 1892; Nat. Nov. Jul(1) 1892; Flora 18 Jun 1892), p. [i]-xxx, [1]-472. *Copies*: G, HH, NY. – *Schulflora von Deutschland* ... II. Teil. *Die höheren Pflanzen.* Sechste Auflage. Leipzig (id.) 1892. Oct. (*Schulfl. Deutschl., höh. Pfl.*).

*Continuation*: Further editions issued with the title *Die Pflanzen Deutschlands* ed. 7 ..., see below (ed. 7, 1897).

**18.354.** *Filices saxonicae.* Die Gefässkryptogamen des Königreichs Sachsen und der angrenzenden Gegenden ... Inaugural-Dissertation. Zwickau (Druck von R. Zückler) 1871. Oct. (*Fil. saxon.*).

*Ed. [1]*: 1871 (Flora 1 Mar 1872; Bot. Zeit. 12 Apr 1872), p. [1]-31. *Copy*: HH.

*Ed. 2*: 1878 (Bot. Zeit. 1 Nov 1878), p. [1]-31. *Copies*: HH; IDC 7281. – Zweite Auflage. Leipzig (Druck und Verlag von B.G. Teubner) 1878. Oct.

*Journal issue*: Jahresber. Ver. Nat. Zwickau 1871: [1-24]. 1872. *Copies*: HH; IDC 7281.

**18.355.** *Die Farne Deutschlands* ... [Jahresbericht des Vereins für Naturkunde zu Zwickau 1871 ... Zwickau 1872]. Oct.

*Publ.*: 1872, p. [i-ii], [1]-24. *Copies*: HH, LC. – Published in Jahresber. Ver. Naturk. Zwickau 1871: [i-ii], [1]-24. 1872. – Another issue, of 31 p., published as a thesis, was not found by us.

**18.356.** Gymnasium zu Zwickau. Jahresbericht über das Schuljahr von Ostern 1873 bis Ostern 1874, womit zu der auf den 23., 24. und 25. März festgesetzten öffentlichen Prüfung der Classen und dem am 27. stattfindenden feierlichen Redeactus im Namen des Lehrercollegiums ergebenst einladet ... Max Erler, Rector. Voran geht eine Abhandlung des 11. Oberlehrers Dr Otto Wünsche: *Vorarbeiten zu einer Flora von Zwickau.* Zwickau (Druck von R. Zückler) 1874. Oct. (*Vorarb. Fl. Zwickau*).

*Publ.*: Mar 1874, p. [i], [1]-38, map; [school programm:] 39-56. *Copies*: HH, MO.

**18.357.** *Die Kryptogamen Deutschlands.* Nach der analytischen Methode bearbeitet ... Die höheren Kryptogamen. Leipzig (Druck und Verlag von B.G. Teubner) 1875. Oct. (*Krypt. Deutschl.*).
*Publ.*: 1875 (p. [iii]: Mai 1875; Bot. Zeit. 23 Jul 1875), p. [i]-xxxv, [1]-127. *Copies*: HH, NY, USDA.
*Ref.*: Fy., Österr. bot. Z. 25: 341-342. 1 Oct 1875 (rev.).

**18.358.** *Die Pilze.* Eine Anleitung zur Kenntniss derselben ... Leipzig (Druck und Verlag von B.G. Teubner) 1877. Oct. (*Pilze*).
*Publ.*: 1877 (p. iv: Apr 1877; Bot. Zeit. 6 Jul 1877; ÖbZ rev. 1 Aug 1877; Flora 2 Sep 1877), p. [i]-lii, [1]-322, [323, err.]. *Copies*: FH, MICH, NY, Stevenson.
*French transl.*: 16 Mar-1 Apr 1883 (p. vi: 16 Mar 1883; Bot. Centralbl. 23-27 Apr 1883; Bot. Zeit. 27 Jul 1883; Nat. Nov. Apr(2) 1883), p. [i]-xv, [xvi, err.], [1]-537. *Copies*: BR, FH, G, MICH, NY, Stevenson, USDA. – *Flore générale des Champignons* par Otto Wunsche [sic] ... traduit par J.-L. de Lanessan ... édition française, revue par l'auteur. Paris (Octave Derin, ...) 1883. 18-mo. (*Fl. gén. Champignons*). *Note*: According to Schorler (1905), this translation appeared "ohne Wissen und Willen des Verfassers" and was therefore not "revue par l'auteur".

**18.359.** *Schulflora von Deutschland* ... I. Teil. *Die niederen Pflanzen.* Leipzig (Druck und Verlag von B.G. Teubner) 1889. Oct. (*Schulfl. Deutschl., nied. Pfl.*).
*Publ.*: 1889 (p. [iii]: Jul 1889; Bot. Centralbl. 9 Oct 1889, rev. 26 Nov 1889; ÖbZ 1 Nov 1889; Bot. Zeit. 27 Dec 1889; Nat. Nov. Oct(1) 1889), p. [i-iv], [1]-435. – *Copies*: FH, G, M, NY. – Intended as a supplement on lower plants for the Excurs.-Fl. Sachsen as well as for the *Schulfl. Deutschl.*

**18.360.** *Der naturkundliche Unterricht* in Darbietungen und Übungen. Für Lehrer an Volksschulen und höheren Lehranstalten ... Heft 1. Die *Farne* ... Zwickau (Verlag von Gebr. Thost (R. Bräuninger)) 1890. Oct. (*Naturk. Unterr., Farne*).
*Heft 1* (Farne): 1890 (Bot. Centralbl. 1 Oct 1890), cover-t.p., p. [1]-18, *1 pl. Copy*: B. – A fourth edition appeared in 1896.
*Heft 2* (Laubmoose): Oct-Nov 1891 (t.p. 1892; Bot. Centralbl. 4 Feb 1892; rev. Warnstorff, Bot. Centralbl. 49: 312-314. 9 Mar 1892; Nat. Nov. Nov(2) 1891), cover-t.p., p. [1]-23. *1 pl. Copy*: B.
*Heft 3* (Gräser): Mai 1894 (Bot. Centralbl. 11 Jun 1894; Nat. Nov. Jul(1) 1894), cover-t.p., p. [1]-42, *1 pl. Copy*: B.
*Note*: *Einiges über Bau und Leben der Pilze*, Zwickau (id.) 1896, 12 p. is said to be a reprint from this series. There may have been a Heft 4, *Pilze*.

**18.361.** *Die verbreitesten Pflanzen Deutschlands.* Ein Übungsbuch für den naturwissenschaftlichen Unterricht ... Leipzig (Druck und Verlag von B.G. Teubner) 1893. Oct. (*Verbr. Pfl. Deutschl.*).
*Ed. [1]*: Mai 1893 (p. [iii]: Apr 1893; Bot. Zeit. 16 Jun 1893; Bot. Centralbl. 28 Jun 1893; ÖbZ for Jun 1893; Nat. Nov. Mai(2) 1893), p. [i]-viii, [1]-269. *Copy*: NY.
*Ed. 2*: 1896 (p. [v]: Dec 1895; Bot. Centralbl. 24 Jun 1896; Bot. Zeit. 16 Jul 1896; rev. Aderhold, Bot. Zeit. 54: 278-279. 1896), p. [i]-vi, [1]-272. *Copy*: NY.
*Ed. 3*: Jun 1900 (p. [iv]: 23 Apr 1900; Bot. Centralbl. 4 Jul 1900; Bot. Zeit. 16 Jul 1900; ÖbZ for Mai-Jun 1900; Nat. Nov. Jul(2) 1900), p. [i]-vi, [1]-282. *Copy*: B.
*Ed. 4*: 1903 (Bot. Centralbl. 16 Feb 1904; Nat. Nov. Oct(2) 1903), p. [i]-vi, [1]-282. *Copy*: B.
*Ed. 5*: Feb 1909 (Nat. Nov. Mar(2) 1909; AbZ 15 Apr 1909; Bot. Centralbl. 18 Mai 1909; Bot. Zeit. 16 Aug 1909), p. [i]-vi, [1]-290. *Copy*: B. – *Editor*: Bernhard Schorler.
*Ed. 6*: Aug 1912 (Bot. Centralbl. 24 Dec 1912; Nat. Nov. Sep(1) 1912), p. [i]-vi, [1]-258. *Copies*: B, Cornell Univ. – *Editor*: Bernhard Schorler.
*Ed. 7*: 1919 (Nat. Nov. Mai 1919; Bot. Jahrb. 30 Sep 1919), p. [i]-vi, [1]-271. *Copies*: B, M. – *Editor*: Bernhard Schorler.
*Ed. 8*: 1924, p. [i]-vi, [1]-271. *Copy*: B-S.
*Ed. 9*: 1927 (p. v: Apr 1927; Hedwigia Oct 1927), p. [i]-viii, [1]-299. *Copies*: MO, Univ. Miami. – Wünsche-Schorler, *Die verbreitesten Pflanzen Deutschlands* neunte Auflage

neubearbeitet von ... W. Wangerin in Danzig. Leipzig, Berlin (Verlag von B.G. Teubner) 1927.
*Ed. 10*: 1938, p. [i]-viii, [1]-299. *Copy*: GOET.

**18.362.** *Die Alpenpflanzen.* Eine Anleitung zu ihrer Kenntnis ... Zwickau i.S. (Verlag von Gebr. Thost (R. Bräuniger)). 1893. Oct. (*Alpenpfl.*).
*Ed.* [*1*]: Feb 1893 (p. [iii]: Feb 1893; Bot. Centralbl. 15 Mar 1893; Bot. Zeit. 16 Mar 1893; ÖbZ for Feb 1893; Flora 12 Mai 1893; Nat. Nov. Mar(2) 1903), p. [i]-xvi, [1]-244. *Copies*: G, NY.
*Ed. 2*: Jan 1896 (ÖbZ for Jun 1896; Bot. Centralbl. 5 Feb 1896; Nat. Nov. Jan(2) 1896), p. [i]-xvi, [1]-244. *Copy*: B.

**18.363.** *Die verbreitesten Pilze Deutschlands.* Eine Anleitung zu ihrer Kenntnis ... Leipzig (Druck und Verlag von B.G. Teubner) 1896. Oct. (*Verbr. Pilze Deutschl.*).
*Publ.*: Mai 1896 (p. [iii]: 25 Apr 1896; Bot. Centralbl. 24 Jun 1896; ÖbZ for Jun 1896; Nat. Nov. Jun(2) 1896), p. [i]-xii, [1]-112. *Copies*: BR, FH, Stevenson.

**18.364.** *Die Pflanzen des Königreichs Sachsen* und der angrenzenden Gegenden. Eine Anleitung zu ihrer Kenntnis ... achte Auflage. Leipzig (Druck und Verlag von B.G. Teubner) 1899. Oct. (*Pfl. Sachsen*).
*Ed. 8*: Sep 1899 (p. iv: 3 Mai 1899; Bot. Centralbl. 5 Oct 1899; Bot. Zeit. 16 Dec 1899; Nat. Nov. Oct(1) 1899; Flora 19 Dec 1909), p. [i]-xxiv, [1]-447. *Copy*: HH. – Editions 1-7 issued as *Excursionsflora für das Königreich Sachsen* 1869-1895, q.v.
*Ed. 9*: Mai-Jun 1904 (p. vi: Mar 1904; Bot. Zeit. 1 Aug 1904; ÖbZ for Mai-Jun 1904; Bot. Centralbl. 23 Aug 1904; Nat. Nov. Jul(1) 1904), p. [i]-xxiv, [1]-442. *Copies*: MO, US.
*Ed. 10*: 1912 (p. vii: Oct 1911; ÖbZ for Mai 1912; Bot. Centralbl. 18 Jun 1912; Nat. Nov. Mai(2) 1912), portr. of O. Wünsche, p. [i]-xxvi, [1]-458. *Copies*: HH, M. – Zehnte, neubearbeitete Auflage herausgegeben von Dr. Bernhard Schorler [1859-1920, TL-2/5: 303]. Leipzig und Berlin (id.) 1912. Oct.
*Ed. 11*: 1919 (Nat. Nov. Jan(1, 2) 1920), p. [i]-xxvi, [1]-522. *Copy*: B. – Elfte, neubearbeitete Auflage, herausgegeben von ... Bernhard Schorler.
*Ed. 12*: 1956, p. [i-ii], [1]-636, 1 map with 1 p. text. *Copies*: B, G, H, M, U. – Wünsche-Schorler, *Die Pflanzen Sachsens.* Exkursionsflora der Bezirke Dresden, Leipzig, Karl-Marx-Stadt [Chemnitz]. Herausgegeben von Willi Flössner, Max Militzer, Richard Schöne [d. 18 Aug 1955], Fritz Stoppa, Johannes Uhlig, ... 12., völlig neubearbeitete Auflage. Berlin (VEB Deutscher Verlag der Wissenschaften) 1956.

**18.365.** *Die Pflanzen Deutschlands.* Eine Anleitung zu ihrer Bestimmung ... Die höheren Pflanzen. Siebente Auflage. Leipzig (Druck und Verlag von B.G. Teubner) 1897. Oct. (*Pfl. Deutschl.*).
*Ed. 7*: Sep 1897 (p. iv: 21 Jul 1897; ÖbZ for Sep 1897; Bot. Centralbl. 27 Oct 1897; Bot. Zeit. 1 Nov 1897; AbZ 15 Nov 1897; Nat. Nov. Nov(1) 1897), p. [i]-xxiv, [1]-559. *Copies*: HH, NY. – *Note*: the first six editions came out as *Schulfl. Deutschl. Phan.* 1871-1892, see above.
*Ed. 8*: Mai 1902 (p. [iv]: 11 Jul 1901; t.p. 1901 but publ. Mai 1902 fide Bot. Centralbl. 5 Feb 1903), p. [i]-xxiv, [1]-603. *Copies*: MO, NY. – Leipzig und Berlin (id.) 1901. Oct.
*Ed. 9*: Mai 1909 (p. vii: Aug 1908; AbZ 20 Jul 1909; Bot. Zeit. 16 Aug 1909; Bot. Centralbl. 17 Aug 1909; ÖbZ for Jul 1909; Nat. Nov. Jun(2) 1909), portr. Wünsche, p. [i]-xxix, [1]-689, [690, colo.]. *Copies*: G, HH, NY. – Neunte neubearbeitete Auflage herausgegeben von ... Joh[annes] Abromeit [1857-1946. TL-2/1: 3-4]. Mit einem Bildnis O. Wünsches. Leipzig und Berlin (id.) 1909. Oct. – On p. iii-iv, biogr. note on W. by Abromeit.
*Ed. 10*: 1916 (p. vii: Oct 1915, Hedwigia 14 Oct 1916; Nat. Nov. Jul(1, 2) 1916), p. [i]-xxix, [1]-764. *Copies*: H, M, NY.
*Ed. 11*: 1924, p. [i]-xxvii, [1]-764. *Copy*: B-S.
*Ed. 12*: 1928 (p. vi: Aug 1928), p. [i]-xxix. *Copy*: B.
*Ed. 13*: 1932 (p. vi: Nov 1931; Hedwigia Oct 1932; Nat. Nov. Jan 1933), p. [i]-xxix, [1]-746. *Copy*: B.

**Wüstnei, Karl Georg Gustav** (1810-1858), German (Mecklenburg-Schwerin) high school teacher, botanist and entomologist; from 1835 teacher for mathematics and natural sciences at the high school in Schwerin; contributed to Rabenhorst's series of exsiccatae. (*Wüstnei*).

HERBARIUM and TYPES: Owned a large herbarium which was offered for sale after his death; present location unknown. – Some material in B ("Flora Suerin", mycol. herb. extant), GOET (bryoph.), M (lich.), WRSL (bryoph., lich.). Further specimens in L. Rabenhorst, *Hepaticae europaeae* and *Bryotheca europaea*, q.v.
*Exsiccatae*: *Lebermoose Mecklenburgs*, 1 Heft 1851. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 525 (b. 18 Feb 1810, d. 12 Oct 1858); BM 5: 2367; CSP 6: 458; PR alph.; Urban-Berl. p. 284.

BIOFILE: Anon., Bonplandia 7: 138. 1859 (obit. not.); Flora 42: 480. 1859 (d.).
Boll, E., Fl. Meklenburg 177. 1860.
Brockmüller, H., Bot. Zeit. 17: 192. 1859 (obit.), 19: 288. 1861 (herb. for sale).
Potztal, E., Willdenowia 3(1): 37. 1962 (mycol. herb. B, extant).

COMPOSITE WORKS: Contributed to C.F.B. Fiedler, *Syn. Laubm. Mecklenb.* 1844, TL-2/1769, q.v.

EPONYMY: *Wuestneia* Auerswald ex Fuckel (1863) probably was named for Wüstnei but no etymology was given with the description of the genus.

**Wuitner, Émile** (1865-1946), French algologist, packer in a Paris department store; inspector with the Paris gas-works, ultimately copy editor for scientific publications with the firm of Paul Lechevalier; self-taught scientist. (*Wuitner*).

HERBARIUM and TYPES: Laboratory of the Muséum national d'histoire naturelle at Biarritz.

BIOFILE: Thonet, V. & P. Jovet, Bull. Centr. Études Rech. sci. Biarritz 2(3): 351-355. 1959 (biogr. sketch, bibl., notes on herbarium).

**18.366.** *Les algues marines des côtes de France* (Manche et Océan) ... Paris (Paul. Lechevalier ...) 1921. 18-mo. (*Alg. mar. France*).
*Ed.* [*1*]: 1921 (p. viii: 31 Jan 1921), p. [i]-cxiii, 1-129 [p. 1 on verso of cxiii], *pl. 1-112*. *Copies*: FH, G, NY. – The book is based on an unpublished and unfinished manuscript and a set of 96 col. plates by Charles Louis Gatin (1877-1916; fell at Verdun 26 Feb 1916). – Plates *1-96* are coloured (by Gatin), *97-112* uncoloured, by Wuitner, who also made the 119 analytical drawings.
*Ed. 2*: 1947 (printing terminated 25 Jan 1947, see p. [131]), p. [i]-cxx, [1*, h.t.], [1]-129, [130, adv., 131, colo.], *pl. 1-112* (id.). *Copies*: BR, NY, US. – (Wuitner died 11 Feb 1946).

**18.367.** *Flore algologique de Belle-Isle-en-Mer* (Morbihan) ... [Ann. Ass. Natural. Levallois-Perret] 1931. Oct. (*Fl. alg. Belle-Isle-en-Mer*).
*Publ.*: 1931, p. [1]-63, [1, err.]. *Copy*: BR. – Issued as Ann. Ass. Natural. Levallois-Perret 20, 1914-1931 (publ. 1931).

**Wulfen, Franz Xavier,** Freiherr **von** (1728-1805), Austrian Jesuit, teacher and botanist; noviciate at Vienna and Raab 1745-1749; studied philosophy and mathematics at Vienna University; teacher at Görz 1755, Vienna 1756, Laibach 1762; monastic vows 1763; teacher of physics and mathematics at Klagenfurt 1764-1768; from 1769 onward dedicating himself to natural sciences and philantropic work at Klagenfurt. (*Wulfen*).

HERBARIUM and TYPES: W (herb. rd. 1812; ca. 3800 specimens); further material at GJO (impt. set), LINN, M (lich.), WU (alg., lich). – *Letters* to N.J. Jacquin UPS-UB; other

letters at G. – *Manuscript*: *Flora norica* at W; see below for publication by Graf and Fenzl (see also Riedl, 1981); also in W: *Icones pictae fungorum austriacorum* (113, col.).

BIBLIOGRAPHY and BIOGRAPHY: ADB 44: 268-269; AG 2(1): 312, 5(2): 379, 6(2): 558; Backer p. 630, 664; Barnhart 3: 525 (b. 5 Nov 1728, d. 16 Mar 1805); BM 5: 2367; Bossert p. 444; CSP 6: 447; De Toni 1: cxxxv; Dryander 3: 153; DTS 1: 332-333, xxiv, 4: xviii, 6(4): 209; Frank 3 (Anh.): 115-116; GR p. 443-444, *pl. 23*, cat. p. 73; Hawksworth p. 187; Hegi 6(1): 64; Herder p. 149, 193, 255; Hortus 3: 1207; Jackson p. 113, 308; Kanitz 57 (d. 17 Mar 1805); Lasègue p. 331; LS 29388-29391; NI see indexes; PR 10418-10420, ed. 1: 5449, 11372-11373; Quenstedt p. 470; Rehder 5: 234; Saccardo 1: 174, 2: 114, cron. p. xxxvi; Stevenson p. 1263; TL-2/14.884, see E. Fenzl; Tucker 1: 755; WU 58: 265-269 (detailed biogr., sources, d. 17 Mar 1805); Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Bonplandia 10: 361. 1862 (cogn. Leopoldina Lycius II); Brit. Mus. gen. cat. print. books 261: 646. 1965; Cat. gén. livr. impr. Bibl. natl. 227: 730-731. 1977; Flora 22(2): 671-672. 1839 (memorial at Klagenfurt); Portr.-Gallerie Aerzte Naturf. Österr. Kaiserth. 28. 1838 (portr.).

Arnold, F., Verh. zool. bot. Ver. Wien 32: 143-174 [1-32]. 1882 (biogr., notes on lichenological work, detailed study).

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Beck, G. v., Bot. Centralbl. 33: 250. 1888 (herb. W. acquired 1812); Veg.-Verh. Illyr. Länder 3-4, 414. 1901 (coll. Istria, Croatia).

Bocquet, G., Candollea 34: 209-210. 1979 (curr. vit.).

Bridson, G.D.R. et al., Nat. hist. mss. res. Brit. Isl. 255.57. 1980.

Cesati, V. de, Saggio bibl. alg. ital. 394. 1882.

Dörfler, I., Botaniker-Porträts 31. 1907 (curr. vit., portr.).

Fenzl, E. & R. Graf, Vorwort der Herausgeber, Wulfen's Flora norica phanerogama 1858, p. iii-xiv (biogr., bibl.; introd. Fl. norica phan.).

Fritsch, K. et al., Bot. Anst. Wiens 56-76. 1894 (herb. at W; 3860 specimens).

Hausmann, F. v., Fl. Tirol 1187-1188. 1854.

Ilg, W., Hoppea 42: 36, 84, 167f. 1984 (on W. and Regensb. bot. Ges.).

Konig, C. & J. Sims, Ann. Bot. 2: 208. 1806 (obit. not.).

Koster, J.Th., Taxon 18: 559. 1969 (alg. W, WU).

Kunitsch, M., Biographie des Franz Xaver Freyherrn v. Wulfen der Weltweisheit Doctor, ... Wien (in der Gassler'schen Buchhandlung) 1810, p. [i-viii], [1]-35 (*copies*: B-S, LD (biogr., portr.)).

Lack, H.H. & C.O. v. Sydow, Willdenowia 14: 446, 449. 1984 (letters to N.J. Jacquin).

Laundon, J.R., Lichenologist 11: 19. 1979 (lich. at M and possibly at W).

Leute, G.H., Carinthia ser. 2. 89: 7-14. 1979 (letter W. to J.A. Frölich; syst. Festuca).

Nardo, G.D., Comm. fauna fl. Veneto e Trent. 1: 201-210. 1868 (zool. work Gulf of Triest).

Neilreich, A., Verh. zool.-bot. Ver. Wien 5: 32-33. 1855.

Riedl, H., Taxon 30: 727. 1981 (mss. Flora norica at W., major part on cryptogams still unpublished).

Sabidussi, H., Carinthia 2: 48-55. 1905.

Saccardo, P.A., Storia letteratura Flora veneta 63, 67. 1869.

Sayre, G., Bryologist 80: 520. 1977 (bryoph. at W).

Schönach, H., Jahresber. Real-Ober-Gymn. Feldkirch 27: 60. 1884.

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Voss, W., Vers. Gesch. Bot. Krain 17-20, 40. 1884.

Wittrock, V.B., Acta Horti Berg. 3(2): 87, 186. 1903.

COMPOSITE WORKS: *Plantae rariores Carinthiaceae*, *in* N.J. v. Jacquin, *Misc. Austriac.* 1: 147-163, *pl. 2* (col.). 1778 (1779), 2: 25-138, *pl. 21* (col.). 1781 (1782), *Collectanea* 1: 186-364, *pl. 6-21*. 1786, 2: 112-234, *pl. 8-17*. 1788, 3: 3-166, *pl. 1-17*. 1789, 4: 227-348, *pl. 4-8, 10-20*. 1790.

HANDWRITING: Candollea 34: 209-210. 1979, Carinthia ser. 2. 89: 8-9. 1979.

EPONYMY: *Wulfenia* N.J. v. Jacquin (1781).

NOTE: For remarks on Wulfen's descriptions on lichens published in N.J. von Jacquin, Collectanea 2: 112ff. 1788, see J.E. Smith, Trans. Linn. Soc. 2: 10-14. 1 Mai 1794.

**18.368.** Xaveri de Wulfen abbatis klagenfurthensis *Cryptogama aquatica* ... Lipsiae [Leipzig] (sumtibus bibliopolii Schaeferiani) 1803. Oct. (*Crypt. aquat.*).
*Publ.*: 1803, p. [i], [1]-64, *pl. 1* (uncol. copp. C. Melling). *Copies*: G, NY. – Preprinted or reprinted from J.J. Roemer, Arch. Bot. 3(1-2): 1-64, *pl. 1*. 1803.

**18.369.** Francisci Xaverii Wulfen, ... *Plantarum rariorum descriptiones* ... Lipsiae [Leipzig] (sumtibus bibliopoli Schaeferiani) 1805. Oct. (*Pl. rar. descr.*).
*Publ.*: Apr-Mai 1805 (or somewhat earlier as preprint), p. [i-iv], [1]-116. *Copies*: G, HH, NY; IDC 8764. – Preprinted or reprinted from J.J. Roemer, Arch. Bot. 3(3): 312-426. 1805.

**18.370.** Franz Xaver Freiherrn von Wulfen's *Flora norica phanerogama*. Im Auftrage des Zoologisch-botanischen Vereines in Wien herausgegeben ... Wien (Druck und Verlag von Carl Gerold's Sohn) 1858. Oct. (in 4-s). (*Fl. norica phan.*).
*Editors*: Eduard Fenzl (1808-1879), see TL-2/1: 823-824, and Rainer Graf (1811-1872).
*Publ.*: Apr 1858 (p. xii: 13 Jan 1858; ÖbZ 1 Mai 1858; Bonplandia 15 Mai 1858), p. [i]-xiv, [1]-816. *Copies*: G, H, HH, L, M, MO, NY, USDA; IDC 8765.
*Review*: Ign. Tomaschek, *Wulfen's Flora norica phanerogama*, Jahrb. nat. Hist. Mus. Kärnten 5: 57-70. 1862, repr. s.l.n.d. p. [1]-15. *Copy*: B.
*Noricum*: the classical Noricum corresponded roughly to the later Upper and Lower Austria, south of the Danube, Salzburg, Styria, Carinthia and parts of Tirol and Bavaria. Fenzl and Graf provide details in their introduction to the *Fl. norica phan.*; for Wulfen the emphasis was on Carinthia. The mss. (at W) contains still further unpublished parts, see Riedl 1981).

**Wulff, Eugenii Vladimirovich** (1885-1941), Russian botanist (plant-geographer); Dr. phil. Univ. Wien 1910; ultimately curator of the Herbarium, Department of Geography of Cultivated Plants of the U.S.S.R. Institute of Plant Industry. (*E. Wulff*).

HERBARIUM and TYPES: LE, WIR. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 446 ("Vul'f" b. 25 Mai 1885, d. 21 Dec 1941); BFM 1475, 2202, 2958; BJI 2: 195; GR p. 576; Hirsch p. 330; IH 1 (ed. 1): 55, (ed. 2): 71, (ed. 3): 89, (ed. 6): 366, (ed. 7) 346; MW p. 537, suppl. p. 396-397; TL-2/3857, see N.I. Vavilov; Tucker 3: 342.

BIOFILE: Asmous, V.C., Science ser. 2. 100: 43. 1944 (obit. not.; killed by a bomb fragment at Leningrad 21 Dec 1941); Chron. bot. 11(2): 112-113. 1947 (fontes hist. bot. ross).
Frodin, D.G., Guide standard floras world no. 696. 1984.
Lipschitz, S.J., Eugène Wulff comme botaniste (1885-1941), *in* E.V. Wulff, Istor. geogr. rasten. Moskwa, Leningrad 1944, p. iii-xix (biogr., extensive bibl.); Fl. URSS fontes nos. 281-286. 1975.
Verdoorn, F., ed., Chron. bot. 2: 286, 287. 1936, 3: 135. 1937, 5: 89, 94, 135, 138. 269, 323. 1939, 6: 311. 1941.
Wulff, E.V., Intr. hist. pl. geogr. 223 [index]. 1943.

COMPOSITE WORKS: (1) Contributed *Fagaceae. Fagus* to V.L. Komarov, Fl. URSS 5: 354-359. 22 Jun 1936. TL-2/3857.
(2) *Flora taurica* (Fl. Kryma) vols. 1 (1-3), 1927-1930; work completed after death of author: vols. 2-3, 1945-1969.

**18.371.** *Über Pollensterilität bei Potentilla* ... Separatabdruck aus der "Österreichischen botanischen Zeitschrift", ... 1909. Oct.

*Publ.*: Oct, Nov 1909 (in journal), p. [1]-20. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 60: 384-393. Oct, 415-424. Nov 1909.

**18.372.** *Entwicklungsgeschichte der Flora der Krim* ... Sonderabdruck aus der Bulletin de la Société des Naturalistes de Crimée ... 1926. Oct.
*Publ.*: 1926, cover-t.p., p. [81]-108. *Copies*: B, H. – Reprinted and to be cited from Bull. Soc. Natural. Crimée 9: [81]-108. 1927. – Russian with German summary.

**18.373.** Flora der Krim. *Conspectus florae tauricae* ... Sonderabdruck aus Fedde, Repertorium ... 1928. Oct.
*Publ.*: 25 Oct 1928, p. [49]-86, *pl. 44*. *Copies*: B, H. – Reprinted and to be cited from Repert. sp. nov. 25: 49-86, *pl. 44*. 1928.

**18.374.** *Conifers naturalized in the Nikitsky Botanical Garden* on the southern coast of the Crimea ... Leningrad 1928. Oct.
*Publ.*: 1928, cover-t.p., p. [15]-66. *Copies*: H, HH, PH. – Reprinted and to be cited from Bull. appl. Bot. Genet. Pl.-Breed. 18(2): 15-66. 1928.

**18.375.** *Essay of dividing the world into phytogeographic regions* according to the numerical distribution of species. (Preliminary communication) ... Leningrad 1934. Oct. (*Essay phytogeogr. regions*).
*Publ.*: 1934 (p. [2]: 14 Jan 1934; Nat. Nov. Jun 1934), p. [1]-66, [67], map. *Copies*: H, NY, U, US. – Issued by the Lenin Academy of Sciences in USSR, Institute of Plant Industry.

**18.376.** *An introduction to historical plant geography* ... Waltham, Mass., U.S.A. (published by the Chronica botanica Company) 1943. (*Intr. hist. pl. geogr.*).
*Publ.*: 1943 (p. viii: Christmas 1942), p. [iii]-xv, 1-223, [224]. *Copies*: H, HH, M, NY, PH, U. – A new series of plant science books vol. 10. Translation by Elizabeth Brissenden, foreword by Elmer D. Merrill.
*Facsimile reprint*: 1950, p. [iii]-xv, 1-223, [224]. *Copies*: BR, FAS, G.
*Russian original*: Mai 1932, English title (on cover): *Introduction to the historical geography of plants*, Leningrad 1932, published as Bull. appl. Bot. Genet. Pl.-Breed., Suppl. 52: [1]-356. – *Copies*: BR, FAS, H, HH, NY. – M has a copy of a Russian edition dated 1933 with p. [1]-415.
*Follow-up*: 1944, Istoričeskaja Geografija Rastenii, Istorija Flor Zemnogu Šara. Moskva, Leningrad 1944, p. [i]-xix, [1]-545, [546, 548 colo. dated 28 Jul 1944]. *Copies*: FAS, G, H, HH, PH. – With an introduction by S.J. Lipschitz, Eugène Wulff comme botaniste (1885-1941) (in Russian; bibl.).

**Wulff, Johann Christoph** (x-1767), German (Prussian) physician and botanist at Königsberg i.Pr.; Dr. med. ib. 1744. (*J. Wulff*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2367; Dryander 3: 171; GR p. 156; Herder p. 190; Jackson p. 309; LS 29393; PR 10421-10422, ed. 1: 11374-11375; Rehder 1: 373; SO 1222a; Tucker 1: 755.

BIOFILE: Fries, Th.M., Bref Skrifv. Linné 1(6): 55. 1912.
Lorek, C.G., Preuss. Bot. 3. 1849.
Meusel, J.J., Lex. teut. Schriftst. 15: 326. 1816.

EPONYMY: *Wulffia* Necker ex Cassini (1825) may be named for this author but no reference was given.

**18.377.** Anno jubilaei Academiae pregelianae II ... *Specimen inaugurale botanicum plantas xxiii.* In Borussia repertas, et nondum descriptas comprehendens. Quod auctoritate et consensu gratiosi ordinis medicorum Academiae regiomontanae, pro gradu doctoris in medicina rite obtinendo, amicabili eruditorum approbationi publice subjicit Johannes

Christophorus Wulff, Regiomont. Borussus ... [Königsberg] (Litteris Rensnerianis) [1744]. Qu. (*Specim. inaug. bot. pl. xxiii*).
*Publ.*: 1744, p. [1]-20. *Copy*: NY.

**18.378.** Johan. Christoph. Wulff Med. doct. *Flora borussica* denuo efflorescens auctior ... Regiomonti et Lipsiae [Königsberg and Leipzig] (Sumtibus Haer. Hartung. et Jo. Dan. Zeisii) 1765. Oct. (*Fl. boruss.*).
*Publ.*: 1765 (p. [xii]: 6 Mar 1765), p. [i-xxiv], *1 pl.* (uncol. copp. J.L. Hensel), p. [1]-267, [268-287, index]. *Copies*: BM, G, M, NY, USDA.

**Wulff, Thorild** (1877-1917), Swedish botanist and explorer; Dr. phil. Lund 1902; demonstrator Central Institute of Agricultural Research 1906-1909; lecturer in botany, University College, Stockholm 1909; joined a Swedish-Russian exped. to Spitsbergen 1899; botanical exped. to India 1902-1903, Iceland 1911; travelled in China and Japan 1912-1914 (esp. collecting ethnographical objects); Greenland 1916-1917 (died while on 2nd Thule expedition). (*T. Wulff*).

HERBARIUM and TYPES: LD (herb. rd. 1900). – Further material in C, GB, LD, W.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 526 (b. 1 Apr 1877, d. 29 Aug 1917); BJI 2: 195; BM 5: 2367; Bossert p. 444; Kleppa p. 292; KR p. 778-780 (main bibl.); LS 29394-29396, 33025, 40733-40740.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 261: 655. 1965.
Birger, S., Ymer 1919: 58-67. 1919 (biogr., portr.).
Birket-Smith, K., Knud Rasmussen 72-80. 1937 (portr.).
Ekblaw, W.E., Science ser. 2. 48: 132-133. 1918 (details on death on Greenland exp.).
Elvin, A., ed., Thorild Wulffs grönlandska dagböcker, Stockholm 1934, 419 p.
Fries, R.E., Short hist. bot. Sweden 48. 1950.
H.G.G-S., *in* Nordisk familjebok 20: 786-787. 1934.
Lindman, S., Sv. män kvinn. 8: 444-445. 1955.
Rasmussen, K., Norr om människor. Berättelsen om denn andra Thule-expeditionen och utforskandet av Grönland från Mellville-bukten till kap Morris Jessup. Med utdrag ur Fil. dr Thorild Wulffs dagböcker och verdeberättelser. – Transl. from the author's Danish mss. by Axel Ahlman. 493 (8). 1919. Dedicated to the memory of T. Wulff (sev. portr.); p. 439-457: C.H. Ostenfeld, Flora och fauna på Grönlands nordkust. På basis av Doktor Wullfs anteckningar.
Wallström, T. Svenska upptäckare 188-190. 1982 (portr.).
Wulff, T., Thorild Wulffs grönländska dagböcker. Ed. A. Elvin 419. 1934 (portr.); Resa till Kina år 1912. Dagboksanteckningar m.m. Ed. G. Axel-Nilsson (part of Wulff's Chinese diary, portr., biogr.). 112. 1966.

**18.379.** *Botanische Beobachtungen aus Spitzbergen.* Akademische Abhandlung von Thorild Wulff, Lic. phil. Wird mit Genehmigung der mathematisch-naturwissenschaftlichen Sektion der Philosophischen Fakultät an der Universität zu Lund am 12. März 1902, 10 Uhr V.M. im Auditorium des Botanischen Instituts zur Erlangung der Doctorwürde zur öffentlichen Kritik vorgelegt. Lund (E. Malmströms Buchdruckerei) 1902. Oct. (*Bot. Beob. Spitzbergen*).
*Thesis issue*: 1-12 Mar 1902, p. [i-iii; i: thesis-t.p., iii commercial t.p.], [1]-115, [i]-iii, *pl. 1-2* with text [N.B. 2 plates seen by us in HH copy; KR mentions the *4 pl.*, present in the commercial ed., also for the thesis]. *Copy*: HH.
*Commercial issue*: Mar 1902 (Bot. Not. 1 Apr 1902; AbZ 15 Mai 1902; Bot. Centralbl. 2 Apr 1902; ÖbZ for Mar 1902), p. [i, commercial t.p.], [1]-115, [i]-iii, *pl. 1-4* with text. *Copies*: B, G, H, M, MICH, Peterson.
*French text*: 1903, p. [i-iii], [1]-63, [64], *pl. 1-4*. *Copies*: HH, Peterson. – *Observations botaniques faites au Spitzberg* ... traduit de l'Allemand par H. Marcel Hardy à Dundee. Stockholm (Aktiebolaget Centraltryckeriet) 1903. Qu. (*Observ. bot. Spitzb.*). – Issued as part of Missions sci. mesure arc méridien Spitzberg, Mission, Suèdoise, 2(10) Botanique.
*Ref.*: Fries, Th.M., Geol. För. Förhandl. 24: 370-372. 1902 (critical review).

**Wulfsberg, Nils Gregers Ingvald** (1847-1888), Norwegian physician and pharmacologist; studied at the University of Kristiania [Oslo] 1864-1873; Cand. med. 1873; Dr. med. Göttingen 1880; stipendiary pharmacology at Kristiania University 1877-1882; physician at Kristiania 1882-1888. (*Wulfsb.*).

HERBARIUM and TYPES: O. – Further material at BR, C, DPU, H-BR, H-SOL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 526 (b. 25 Jul 1847, d. 10 Jun 1888); BM 5: 2367; CSP 8: 1280, 11: 861; Herder p. 267; Kleppa p. 144, 151, 154, 186; KR p. 780 ("Niels"); Morren ed. 10, p. 108; Rehder 2: 726; SBC p. 135; Tucker 1: 755.

BIOFILE: Anon., Bot. Centralbl. 36: 32. 1888 (d. 10 Jun 1888 on board Garonne nr Arendal).
Blytt, A.G., Ann. Bot. 2: 435-436. 1889.
Wulfsberg, N.G.I., Vita, *in* his Holarrhena Africana D.C. 1880, p. [32].

**18.380.** *Enumerantur muscorum quorundam rariorum sedes in Norvegia* ... Saerskilt aftryckt af Christiania Videnskabs-Selskabs Forhandlingar ... 1875. Oct.
*Publ.*: 1875 (Bot. Zeit. Dec 1876), p. [i], [1]-32. *Copies*: BR, G. – Reprinted and to be cited from Christiania Vid.-Selsk. Forh. 1875: [342]-373. – Rev. Bot. Not. 1876: 148-150. 3 Nov 1876.

**18.381.** *Holarrhena Africana* D.C., eine tropische Apocynacee. Inaugural-Dissertation zur Erlangung der philosophischen Doctorwürde an der Georg-Augusts-Universität zu Göttingen .... Göttingen (Druck der Dieterichschen Univ.-Buchdruckerei W.Fr. Kaestner) 1880. Oct. (*Holarrhena Afric.*).
*Publ.*: 1880 (Bot. Centralbl. 1-12 Nov 1880; Bot. Zeit. 25 Feb 1881; Nat. Nov. Dec(2) 1880), p. [1]-31, [32, vita]. *Copies*: BR, G, HH, NY, US.
*Plates*: Dec 1880 (p. iii), p. [i-iii], *pl. 1-3* (uncol. liths.). *Copies*: G, HH, NY. – Issued separately after the publication of the thesis; title: *Drei lithographische Tafeln* zu Dr. N. Wulfsberg's Inaugural-Dissertation über Holarrhena Africana D.C. Göttingen (id.) 1880. (*Drei lith. Tafeln*).

**Wullschlaegel, Heinrich Rudolph** (1805-1864), German (Russian-born, Wolga-German in Moravian Brothers settlement Sarepta) teacher belonging to the Moravian Brothers; theological education at Gnadenfeld, Silesia; teacher in Niesky, Ebersdorf (Reuss) and Herrnhut 1826-1834; administrator community Neudietendorf (Gotha) 1834-1843; missionary in Antigua 1847-1849, Paramaribo, Suriname 1849-1855; director of the community Berthelsdorf, Herrnhut 1855-1857, bishop ib. 1857-1864, consecrated 30 Aug 1857. (*Wullschlaegel*).

HERBARIUM and TYPES: BR (incl. Surinam originals) and M; further material in B (mainly destr.), DR, GOET (incl. Surinam dupl.), K, P, U, W (herb. Reichenbach).

BIBLIOGRAPHY and BIOGRAPHY: IH 1 (ed. 2): 29, (ed. 3): 33, (ed. 6): 366, (ed. 7): 346; Urban-Berl. p. 328, 411.

BIOFILE: Pulle, A.A., Enum. vasc. pl. Surinam 7. 1906.
Radlkofer, L.A.T., Ergänz. Monogr. Serjania 126-127. 1886.
Sirks, M.J., Indisch Natuuronderzoek 291. 1915.
Stearn, W.T., J. Arnold Arb. 46: 272. 1965.
Taylor Hamilton, J., Hist. Moravian Church Bethlehem, Pa. 1900, p. 437, 589 (Trans. Morav. Soc. vol. 6; consecration).
Urban, I., Symb. ant. 1: 59. 1898, 3: 145-146. 1902 (coll.).
Verdoorn, F., ed., Chron. bot. 2: 237. 1936.
Wagenitz, G., Index coll. princ. herb. Gott. 185. 1982.

HANDWRITING: Wagenitz, G., Index coll. princ. herb. Gott. 214. 1982.

EPONYMY: *Wullschlaegelia* H.G. Reichenbach (1863).

**Wunschmann, Ernst** (1848-?), German (Berlin) botanist and high school teacher; studied natural sciences at the Friedrich Wilhelms-Universität, Berlin 1868-1872; Dr. phil. ib. 1872; teacher at the Charlottenschule, Friedenau nr Berlin; professor's title 1895. (*Wunschm.*).

HERBARIUM and TYPES: B (mainly destr.). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: BJI 1: 64; BM 5: 2368; Herder p. 127; Jackson p. 109.

BIOFILE: Anon., Nat. Nov. 17: 127. 1895 (prof. title).
Schmid, G., ed., Carus, C.G. & C.F.P. von Martius, Eine Altersfreundschaft in Briefen 121, 127, 155. s.d.

COMPOSITE WORKS: (1) *Nepenthaceae*, *in* Engler & Prantl, Nat. Pflanzenfam. 3(2): 253-261. Mai 1891.
(2) *Sarraceniaceae*, *in* id. 3(2): 244-252. Mai 1891.

EPONYMY: *Wunschmannia* Urban (1908).

**18.382.** Ueber die Gattung *Nepenthes* besonders in Rücksicht auf ihre physiologische Eigenthümlichkeit. Inaugural-Dissertation, zur Erlangung de Doctorwürde von der Philosophischen Facultät der Friedrich-Wilhelms-Universität zu Berlin genehmigt und öffentlich zu vertheidigen am 18. December 1872 ... Berlin (Buchdruckerei von Gustav Schade (Otto Francke) ...) [1872]. Oct. (*Nepenthes*).
*Publ.*: 18 Dec 1872, p. [i, iii], [1]-46, [47, theses; 48 vita]. *Copies*: G(2), M.
*Ref.*: G.K., Bot. Zeit. 31: 357-358. 6 Jun 1873 (rev.).

**18.383.** *Bentham und Boissier.* Ein Beitrag zur Geschichte der Botanik ... Berlin (R. Gaertners Verlagsbuchhandlung ...) 1887. Qu. (*Bentham u. Boissier*).
*Publ.*: Mar-Apr 1887 (Easter 1887; Bot. Zeit. 29 Apr 1887), p. [1]-34. *Copies*: B, MO. – Issued as Wiss. Beilage Progr. Charlottenschule Berlin, Ostern 1887.

**18.384.** *Carl Wilhelm von Naegeli* ... Berlin (R. Gaertners Verlagsbuchhandlung ...) 1893. Qu. (*C.W. v. Naegeli*).
*Publ.*: Mar-Apr 1893, p. [1]-31. *Copy*: MO. –Issued as Wiss. Beil. Progr. Charlottenschule Berlin, Ostern 1893.

**Wurm, Franz** (1845-1922), Bohemian naturalist, Piarist clergyman and school teacher; studied at the Piarist college in Leipnick (Moravia); teacher's examination for biology and physics 1873; teacher at various schools in Moravia; professor at the municipal high school of Böhmisch Leipa 1874; ultimately teacher in Prague. (*Wurm*).

HERBARIUM and TYPES: PR.

BIBLIOGRAPHY and BIOGRAPHY: CSP 11: 862, 19: 731; Futak-Domin p. 663-664; GR p. 463; Klásterský 206 (d. 7 Jan 1922); LS 29399-29400; WU 58: 281-282 (b. 8 Sep 1845).

**18.385.** *Das Kummergebirge*, die umliegenden Teiche und deren Flora. Festschrift zur Decennalfeier des Nordböhmischen Excursions-Clubs ... Böhm. Leipa [Česká Lípa] (Verlag des Nordböhmischen Excursions-Clubs ...) 1887. Oct. (*Kummergebirge*).
*Publ.*: 1887 (p. 6: 25 Oct 1887), p. [1]-92. *Copy*: G.

**18.386.** *Die Flechten der Umgebung von Böhm. Leipa* ... Böhm. Leipa (Im Selbstverlage ...) 1895. (*Flecht. Böhm. Leipa*).
*Publ.*: 1895 (Nat. Nov. Oct(1) 1895), p. [1]-32, [33]. *Copy*: Almborn. – Reprinted from Jahresber. k.k. Staatsrealschule Böhm. Leipa 1895 (journal n.v.).

**Wurth, Theophil** (1875-1922), Swiss botanist; studied at the University of Bern with the mycologist Ed. Fischer; Dr. phil. ib. 1904; teacher at an elementary school at Wilchingen (Schaffhausen) from 1894; at the Cocoa experiment station of Salatiga, Java

1905-1908, the Malang experiment station 1908-1911, director ib. 1911-1914, 1915-1922. (*Wurth*).

HERBARIUM and TYPES: BERN, BO, WAG.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 526 (b. 5 Dec 1875, d. 10 Nov 1922); BJI 2: 195; JW 4: 414; Kelly p. 243; LS 29401-29405; SK 1: 587, 5: cccxxxiv.

BIOFILE: Bally, W., Teysmannia 33: 529-533. 1922 (obit.); Ber. deut. bot. Ges. 32: xviii, 1-12. 1923 (obit., bibl.).
Fischer, E., Basler Nachrichten 79(121). 13 Mar 1923 (obit., fide JW 4: 414).
Rytz, W., Mitt. naturf. Ges. Bern 5: 30. 1922 (herb. Javan. fungi and phanerogams at BERN).
Tarnuzzer, Ch., Jahresber. naturf. Ges. Graubündens ser. 2. 62: ix-xi. 1923 (obit.).

**18.387.** *Beiträge zur Kenntniss der Pilz-Flora Graubündens* ... [Jahresber. Naturf. Ges. Graubündens 1904]. Oct.
*Publ.*: 1904 (Hedwigia 15 Jul 1904; Nat. Nov. Dec(2) 1904), p. [19]-28. Tear-sheet. *Copy*: BR. – To be cited from Jahresber. Naturf. Ges. Graubündens ser. 2. 46: 19-28. 1904.

**18.388.** *Rubiaceen bewohnende Puccinien* vom Typus der Puccinia Galii. Inaugural-Dissertation zur Erlangung der Doktorwürde der Hohen philosophischen Fakultät der Universität Bern ... Jena (Gustav Fischer) 1905. Oct. (*Rubiac. bew. Puccin.*).
*Publ.*: 1905 (p. [ii]: 1 Dec 1904; Hedwigia 10 Jul 1905; Nat. Nov. Sep(1) 1905), p. [i-v], [1]-27, [28, colo.]. *Copies*: FH, G, Stevenson. – Preprinted or reprinted from Zentralbl. Bakteriol. Abt. 2. 14: 209-224. 11 Mar 1905, 309-320. 30 Mar 1905.

**Wyatt, Mary** (x-c. 1850), British dealer in shells and algae exsiccatae at Torquay. (*Wyatt*).

HERBARIUM and TYPES: Unknown. – For her *Algae Danmonienses* see below. (Sets at BM (incl. K), CGE, DBN, E, FH, KIEL, L, LE, MANCH, NY, OXF, PC).

BIBLIOGRAPHY and BIOGRAPHY: BB p. 336; Clokie p. 268; De Toni 1: cxxxix, 2: cxxiii.

BIOFILE: Allen, D.E., Victorian fern craze 52. 1969.
Dickinson, C.I., Phycol. Bull. 1: 14. 1952.
Harvey, W.H., Man. Brit. alg. liv. 1841.
Ralfs, J., Trans. Penzance nat. Hist. Soc. 1890-1891: 230.
Sayre, G., Mem. New York Bot. Gard. 19(1): 106. 1969 (coll.).

EPONYMY: *Wyattia* V.B.A. Trevisan (1849).

**18.389.** *Algae danmonienses*, or dried specimens of marine plants, principally collected in Devonshire; ... carefully named after Dr. Hooker's British flora ... Torquae (Cocksem, printer and stationer) [ca. 1833-1840]. (*Alg. danmon.*).
*1*: ca. 1833 (Hooker J. Bot. 1: 157-159. 1834, vols. 1-2 publ.), title page and 50 specimens.
*2*: prob. 1834 (see bove), title-page and 50 specimens.
*3*: 1835-1836 (published by 1836, fide J.T. Mackay, Fl. hibern. 253-254. 1836; Comp. Bot. Mag. received by 1 Jun 1836), title-page and 50 specimens.
*4*: 1837 (Comp. Bot. Mag. 2: 246. 1 Mar 1837), title-page and 50 specimens.
*5*: prob. 1840 (id.), title-page (Supplement to *Algae danmonienses*) and 37 specimens.
*Copy*: or set with t.p.'s: US. – Other copies, not seen by us listed above under Herbarium and Types.
*Ref.*: Sayre, G., Mem. N.Y. Bot. Gard. 19(1): 106. 1969.

**Wydler, Heinrich** (1800-1883), Swiss botanist; studied medicine and natural sciences in Zürich and Göttingen; sometime teacher at a private school; travelled in the West

Indies at the request of A.P. de Candolle 1827; adjunct at the St. Petersburg botanical garden 1828-1830; curator of the de Candolle herbarium 1830-1834; Dr. med. h.c. Basel 1933; high school teacher at Bern 1834, also e.o. prof. botany Bern 1835-1839, 1842-1853, 1857-1874; from 1853 living as private scientist at Bern and Strasbourg. (*Wydl.*).

HERBARIUM and TYPES: G-DC. – Other material in B (mainly destr.), BR, DPU, E, FI, G, H-Stev. (1 specimen), L, LZ (destr.), NCY, NY, OXF, P, W. – *Letters* at G (e.g. A.P. de Candolle), HAL (D.F.L. von Schlechtendal), UPS-UB. – For letters (26) to Th. Irmisch see Müllerott 1980. – *Manuscripts and drawings*: left by W. to A.W. Eichler at Berlin (now destr.), see Bot. Centralbl. 18: 54. 1884.

BIBLIOGRAPHY and BIOGRAPHY: ADB 44: 392-393; Backer p. 630; Barnhart 3: 526 (b. 24 Apr 1800, d. 6 Dec 1883); BFM 2443; Biol.-Dokum. 19: 10219-10222; BM 5: 2369; Bossert p. 444; Clokie p. 268; CSP 6: 459-460, 8: 1284, 11: 865, 19: 733; Futak-Domin p. 664; Hegi 5(2): 1032; Hortus 3: 1207; Jackson p. 143; Lasègue p. 268, 306, 505; Moebius p. 240; PR 10427, ed. 1: 11379-11380; Rehder 5: 935; SO 289a; Tucker 1: 755; Urban-Berl. p. 412; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Bonplandia 4: 59-60. 1856; Bot. Centralbl. 18: 54. 1884 (left his botanical mss. and drawings to A.W. Eichler); Bot. Zeit. 41: 874. 1883 (d.).
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Briquet, J., Bull. Soc. bot. Genève 50a: 475-483. 1940 (biogr., main bibl., epon.).
Burdet, H.M., Candollea 34: 211-212. 1979.
Candolle, A.P. de, Mém. souvenirs 332, 337. 1862.
Fischer, Ed., Verh. Schweiz. Naturf. Ges. 1914(2): 22-23; Mitt. naturf. Ges. Bern 1934: xxix. 1935.
Ilg, W., Hoppea 42: 36, 186, 216, 224, 348. 1984 (relations with Regensb. bot. Ges.).
Kanitz, A., Magy. Növ. Lap. 8: 30-32. 1884 (obit., bibl.).
Mägdefrau, K., Gesch. Bot. 274. 1973.
Müller, R.H.W. & R. Zaunick, Friedr. Traug. Kützing 212, 299. 1960.
Müllerott, M., Hoppea 39: 62. 1980 (on copies of 26 letters to Th. Irmisch, 1851-1879).
Sachs, J., Gesch. Bot. 178. 1875; Hist. bot. 174. 1892.
Schoute, J.C., Rec. Trav. bot. néerl. 31: 1-26, *pl. 1.* 1934 (biogr. sketch, evaluation of publ., list publ., index to genera treated).
Urban, I., Symb. ant. 1: 179. 1898, 3: 146. 1902.
Wydler, H., Bot. Zeit. 42: 282-287. 1884 (autobiogr., list publ.). Verh. schweiz. naturf. Ges. Luzern 67: 133-147. 1884 (id.).

HANDWRITING: Candollea 34: 211-212. 1979; Webbia 32: 40. 1977.

EPONYMY: *Wydleria* A.P. de Candolle (1829).

**18.390.** *Essai monographique sur le genre Scrofularia*, ... Genève (Librairie de Barbezat et Delarne, ...) Paris (...) 1828. Qu.
*Publ.*: 1828 (Flora rd. Jan-Feb 1829), p. [i-iii], [1]-50, *pl. 1-5* (uncol. copp. Heyland). *Copies*: B, FI, G(3), HH, MO, WU; IDC 5178. – Reprinted and to be cited from Mém. Soc. Phys. Hist. nat. Genève 4: 121-170. 1828.

**18.391.** *Recherches sur la formation de l'ovule et de l'embryon des Scrofulaires*, ... Tiré de la Bibliothèque universelle de Genève ... 1838. Oct.
*Publ.*: Oct 1838, p. [1]-15, *1 pl.* (uncol. lith. Heyland). *Copies*: FI, G, M. – Reprinted and to be cited from Bibl. univ. Genève 17: 334-348. 1838.

**18.392.** *Ueber dichotome Verzweigung der Blüthenaxen* dicotyledonischer Gewächse ... Halle (Druck der Gebauerschen Buchdruckerei) 1843. Oct.
*Publ.*: Aug-Oct 1843 (in journal), p. [i], [1]-40, *2 pl.* (uncol. liths.). *Copies*: G, M. – Reprinted and to be cited from Linnaea 17: 153-192. 1843.
*Addenda*: Feb-Apr 1844, in Linnaea 17: 408-409. 1844.

**18.393.** *Ein Beitrag zur Kentniss der Gras-Infloreszenz* ... [Z. Wiss. Bot. ... 1846]. Oct.

*Publ.*: 1846 (p. 21: 21 Nov 1845), p. [1]-21, *pl. 1-2. Copy*: B. – Reprinted and to be cited from Z. wiss. Bot. 3-4: 1-20 [sic]. 1846.

**18.394.** *Die Knospenlage der Blätter* in übersichtlicher Zusammenstellung mit einer Tafel ... Bern (Gedruckt in der Haller'schen Buchdruckerei) 1850. Oct.
*Publ.*: 1850, p. [i], [145]-168, *1 pl. Copy*: G. – Reprinted and to be cited from Mitt. Bern naturf. Ges. 185-187: 145-168, *1 pl.* 1850. – See also Flora 34: 113-127. 1851.

**18.395.** *Über einige Eigenthümlichkeiten der Gattung Passiflora* ... Bern Mitt. Juni 1852. Oct.
*Publ* : Jun 1852, p. [153]-168. *Copy*: G. – Reprinted and to be cited from Mitt. naturf. Ges. Bern 243-244: [153]-168. 1852.

**18.396.** *Zur Morphologie* hauptsächlich *der dichotomen Blüthenstände* ... Separat-Abdruck aus Pringsheim's Jahrbücher f. wiss. Botanik ... [1878]. Oct.
*Publ.*: 1878, p. [1]-67. *Copies*: B, G, M. – Reprinted and to be cited from Jahrb. wiss. Bot. 11(3): 313-379. 1878.

**Wylie, Robert [Bradford]** (1870-1959), American botanist; B.S. Upper Iowa University 1897; Dr. phil. Chicago 1904; professor of biology Morningside College 1897-1899; assistant professor of botany University of Iowa, Iowa City 1906-1908, professor of botany ib. 1908-1940, emeritus professor 1940-1959; on U.S. kelp. exp., Alaska 1913; on Univ. Iowa Fiji-New Zealand exp. 1923; LL.D. Upper Iowa 1925. (*Wylie*).

HERBARIUM and TYPES: IA (Fiji, New Zealand).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 526 (b. 28 Mar 1870); BL 1: 220, 324; Bossert p. 444; Hirsch p. 330; ME 3: 682; NW p. 62; Tucker 3: 342; Zander ed. 10, p. 734, ed. 11, p. 838 (d. 9 Jun 1959).

BIOFILE: Anon., Amer. men sci. eds. 1-10. 1906-1961; Index Amer. bot. lit. 4: 587-588. 1969; Natl. Cycl. Amer. biogr. 50: 618. 1968 (portr.); New York Times 10 Jun 1959, p. 37; Who's who Amer. 14-26. 1926-1951; Who was who Amer. 3: 944. 1960.

COMPOSITE WORKS: *Some experiences of a botanist in Fiji. Experiences of a botanist in New Zealand, in* C.C. Nutting, *Fiji-New Zealand expedition*, narrative and preliminary report of a scientific expedition from the University of Iowa to the South Seas ... Iowa City, s.d., Botany on p. 142-153 and 283-298. Issued as Univ. Iowa Stud. nat. Hist. 10(5). 1924.

**18.397.** *The morphology of Elodea canadensis*, a dissertation submitted to the Faculty of the Ogden graduate school of science ... for the degree of doctor of philosophy (Department of botany), ... Chicago (the University Press) 1904. Oct.
*Publ.*: 20 Jan 1904 (in journal), p. [i], [1]-22, *pl. 1-4. Copies*: LC. – Reprinted and to be cited from Bot. Gaz. 37: 1-22, *pl. 1-4.* 1904.
*Regular reprint*: 20 Jan 1904, cover-t.p., p. [1]-22. *Copy*: B. – Id. – Contr. Hull botanical Laboratory 52.

**18.398.** *A long-stalked Elodea flower* ... [Bull. Lab. nat. Hist. State Univ. Iowa 1913]. Oct.
*Publ.*: 26 Apr 1913, p. 43-50, *pl. 1-2. Copy*: HH. – Reprinted and to be cited from Bull. Lab. nat. Hist. State Univ. Iowa 6: 43-50, *pl. 1-2.* 1913.

**Xuarez, Gaspar** (1731-1804), Argentine botanist and clergyman; studied at the Colegio Monserrat, Cordoba; entered the Society of Jesus 1748; banned from Argentina by Carlos III 1767; in Faenza, Italy 1767-1773; after the discontinuation of the Jesuit order in Rome 1773-1804, head of the Giardino vaticano-indico. (*Xuarez*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 631; BM 2: 677, 5: 2370; Hirsch p. 144; PR 3332, ed. 1: 3626; Saccardo 1: 174; TL-1/1123; TL-2/9769; Tucker 1: 756.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 209: 122. 1963, 261: 1095. 1965; Cat. gen. livr. impr. Bibl. natl. 228: 574-575. 1979.
Parodi, L.R., Darwiniana 13: 195-208. 1964 (biogr. sketch; discussion bot. publ., sources).

COMPOSITE WORKS: For the Xuarez edition (1797) of H. Ruiz & J.A. Pavon, *Fl. peruv. prodr.*, see TL-2/9769.

EPONYMY: *Xuarezia* Ruiz et Pavon (1794).

**18.399.** *Osservazioni fitologiche* sopra alcune piante esotiche introdotte in Roma fatta nell' anno 1788. Dagli Abati Filippo Luigi Gilii, e Gaspare Xuarez ... Roma (nella stamperia di Arcangelo Casaletti ...) 1789. (*Osserv. fitol.*).
*Authorship*: Co-author Filippo Luigi Gilii (1756-1821). Parodi (1964) states that X. was the actual author.
*Fasc.* [*1*] *for 1788*: Jul-Oct 1789, p. [1]-64, *9 pl.* (uncol. copp.).
*Fasc.* [*2*], *for 1789*: 23-31 Dec 1790 (p. vi: 23 Dec 1790), p. [i*-ii*], [i]-viii, 1-70, *pl. 1-10* (id.).
*Fasc.* [*3*], *for 1790*: Oct-Dec 1792 (p. iii: 1 Oct 1792), p. [i-iv], 1-99, *pl. 1-10* [*11-18*] (id.).
*Copy*: G. – Plates by P. Caesar Maioli, (1 by Aloys Maioli). The copy at G has 29 pl.; NI mentions 30 pl.

**Yabe, Hisakatsu** (1878-1969), Japanese geologist and paleontologist; Grad. Tokyo Univ. 1901; at Graduate School Tokyo Imperial University 1901-1906; instructor of geological sciences ib. 1906-1908; studied in Germany, Australia and America 1906-1912; professor of geology at Tôhuku Imperial University 1911-1939. (*H. Yabe*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 350; Barnhart 3: 527; BM 5: 2371, 8: 1462; SIA see files.

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 228: 598-603. 1979; Jap. biogr. encycl., Who's who ed. 3. 1841. 1964; Jubilee publ. Yabe, Tokyo 1939, 1: viii-xxvii (bibl.).
Aoki, R., *in* Jubilee Publ. Yabe Tokyo 1939, 1: iii-vii. 1939 (curr. vit., portr.).
Hara, H., Personal communication to senior author 29 Aug 1985.
Hatai, K., Sci. Rep. Tohoku Univ. ser. 2. (Geol.) 41(2): 109-128. 1969 (memorial; b. 3 Dec 1878, d. 23 Jun 1969).
Hayasaka, I., Trans. Proc. Paleont. Soc. Jap. ser. 2. 75: 153-155. 1969 (obit.).
Kamesaka, T., Who's who Japan 1939-1940: 1051. 1939.
Kobayashi, T., Kaseka [Fossil] 21: 57-61. 1971 (obit.).
Nagai, K., Chigakuokenyo [Geogr. Research] 10-12: 329-342. 1977 (on centennial of birthday).

FESTSCHRIFT: Jubilee publication in the commemoration of Professor H. Yabe, M.I.A. Sixtieth birthday, volumes 1-2, Tokyo 1939.

EPONYMY: *Yabeiella* S. Ôishi (1931).

**18.400.** *Mesozoic plants from Korea* ... Journal of the College of Science, ... Tokyo, Japan [1905].
*Publ.*: 1905, p. [1]-59, *pl. 1-4* with text. *Copy*: NY. – Reprinted and to be cited from J. Coll. Sci. Imp. Univ. Tokyo 20(8): 1-59. 1905.

**18.401.** *Ueber einige Gesteinbildende Kalkalgen von Japan und China* ... Sonderabdruck aus Science Reports of the Tokyo Imperial University ... 1912.
*Publ.*: 1912, cover-t.p., p. [1]-8, *pl. 1-2* with text. *Copy*: FH. – Reprinted and to be cited from Sci. Rep. Tohoku University ser. 2 (Geol.) 1(1): 1-8. 1912.

**18.402.** *Mesozoische Pflanzen von Omoto* ... Sonderabdruck aus Science Reports of the Tôhoku Imperial University ... 1913.
*Publ.*: 1913, cover-t.p., p. [1]-8, *pl. 1. Copy*: NY. – Reprinted and to be cited from Sci. Rep. Tôhoku Univ. ser. 2. (Geol.) 1(4): 57-64, *pl. 10.* 1913.

**18.403.** *Notes on some mesozoic plants from Japan*, Korea and China, in the collection of the Institute of Geology and Palaeontology of the Tôhuku Imperial University. I. ... Reprinted from the Science Reports of the Tôhuku Imperial University ... 1922.
*Publ.*: 1922, cover-t.p., p. [1]-28, *pl. 1-4* with text. *Copy*: NY. – Reprinted and to be cited from Sci. Rep. Tôhuku Univ. ser. 2 (Geol.) 7(1): 1-28, *pl. 1-4.* 1922.

**18.404.** *On some rock-forming algae from the younger Mesozoic of Japan* ... Reprinted from the Science Reports of the Tôhuku Imperial University ... 1928.
*Co-author*: Shirô Toyama.
*Publ.*: 1928, cover-t.p., p. [1]-12, *pl. 1-6* with text. *Copy*: NY. – Reprinted and to be cited from Sci. Rep. Tôhuku Univ. 12(1): 141-152, *pl. 18-23* id. 1928.

**18.405.** *Mesozoic plants from Manchuria* ... Reprinted from the Science Reports of the Tôhuku Imperial University ... 1933.
*Co-author*: Saburô Ôishi.
*Publ.*: 1933, cover-t.p., p. [1]-44, chart, *pl. 1-6* with text. – Reprinted and to be cited from Sci. Rep. Tôhuku Univ. ser. 2 (Geol.) 12(2B): 195-238, chart, *pl. 1-6* (id.). 1933.

**Yabe, Yoshitaka** (1876-1931), Japanese botanist; professor of botany at the Tokyo College of Arts and Sciences. (*Y. Yabe*).

HERBARIUM and TYPES: TI.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 527; BJI 2: 195; BM 8: 1462; Hortus 3: 1207; IF p. 738; MW p. 537-538 (bibl.); NI 2188; Tucker 1: 756, 3: 343.

**18.406.** *Revisio Umbelliferarum japonicarum* ... Reprinted from the Journal of the College of Science ... Tokyo ... 1902.
*Publ.*: 1902, p. [1]-108, *pl. 1-3. Copies*: BR, FI, G, H, HH, NY. – Reprinted and to be cited from J. Coll. Sci. Imp. Univ. Tokyo 16(4): 1-108, *pl. 1-3.* 1902.

**18.407.** *Enumeratio plantarum alpinarum* in Monte Shirouma (Prov. Shinano) collectarum ... Reprinted from the Botanical Magazine, Tokyo ... 1903. Oct.
*Publ.*: 1903, cover-t.p., p. 15-27. *Copies*: FI, G, HH, NY. – Reprinted and to be cited from Bot. Mag. Tokyo 17: 15-27. 1903.

**18.408.** *Filices Koreae Uchiyomanae* ... Reprinted from the Botanical Magazine ... 1903. Oct.
*Publ.*: 1903, cover-t.p., p. 63-69, (4)-(1)(Jap.). *Copies*: FI, G, NY. – Reprinted and to be cited from Bot. Mag. Tokyo 17: 63-69, (4)-(1). 1902.

**18.409.** *Umbelliferae Koreae Uchiyamanae* ... Reprinted from the Botanical Magazine Tokyo ... 1903. Oct.
*Publ.*: 1903, cover-t.p., p. 105-108. *Copy*: HH. – Reprinted and to be cited from Bot. Mag. Tokyo 17: 105-108. 1903.

**18.410.** *An enumeration of plants hitherto known from South Manchuria* ... Dairen 1912. Oct. (*Enum. pl. S. Manchuria*).
*Publ.*: 1912, p. [i]-xvi, [xvii], [1]-184, [1-3], map, *pl. 1-7. Copy*: HH.

**18.411.** The South Manchuria Railway Company. *Icones florae Manchuricae* ... Dairen (published by the South Manchuria Railway Company) [1914]-1920, 2 parts. †. (*Icon. fl. Manchur.*).
*1(1)*: 25 Jul 1914, p. [i-iv], *pl. 1-10* (uncol. liths. auct. with unpaged text in Latin and Japanese.

*1(2)*: 1920, p. [i-iii], *pl. 11-20* (id.).
*Copy*: HH.

**Yamada, Yukio** (1900-1975), Japanese algologist; Grad. Tokyo Univ. 1924; studied at European and American institutions 1928-1930; Dr. phil. Tokyo 1931; assistant professor (1930) and regular professor at The Faculty of Science, Hokkaido University 1931-1964, from 1931 also director of the Muroran seaside Institute of Algological Research, Hokkaido University. (*Yamada*).

HERBARIUM and TYPES: SAP. – Other material in C, K, NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 528; BJI 2: 195; Bossert p. 445; GR p. 595; Hirsch p. 330; IH 1 (ed. 1): 87, (ed. 2): 110, (ed. 3): 141, (ed. 4): 156; MW p. 539 (bibl.), suppl. 398-399 (bibl.); Roon p. 125.

BIOFILE: Anon., Address book of Japanese botanists 47. 1951; Index Amer. bot. lit. 1886-1966. 4: 589. 1969; J. Jap. Bot. 50(10): 318-319. 1975 (obit., portr.); Japan biogr. encycl. who's who ed. 3. 1856. 1964.
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COMPOSITE WORKS: Contributed 5 entries on *Sargassaceae* to *Index Nominum Genericorum.*

MEMORIAL PUBLICATION: Sorui, Bull. Jap. Soc. Phycology, vol. 25, suppl., 14 Aug 1977 (tribute, portr.).

EPONYMY: *Yamadaella* I. Abbott (1970); *Yamadaia* Segawa (1955); *Yamadaphycus* H. Mikami (1973). *Note*: *Yamadora* Hort. (1960) honors Rev. Masao Yamada.

**18.412.** *Studien über die Meeresalgen von der Insel Formosa* ... Tokyo 1925. 2 parts.
*1* (*Chlorophyceae*): 1925 (p. 95: Dec 1924), cover-t.p., p. [77]-95. – Reprinted and to be cited from Bot. Mag. Tokyo 39(460): [77]-95. 1925.
*2* (*Phaeophyceae*): 1925 (p. 254: Aug 1925), cover-t.p., p. [239]-254. – Id. 39(465): [239]-254. 1925.

**18.413.** Report of the biological survey of Mutsu Bay. 9. *Marine algae of Mutsu Bay* and adjacent waters. II. ... Reprinted from the Science Reports of the Tôhoku Imperial University ... 1928. Oct.
*Publ.*: Aug 1928, cover-t.p., p. [497]-534. *Copy*: US. – Reprinted and to be cited from Sci. Rep. Tôhoku Univ. ser. 4 (Biol.) 3(4. 1): [497]-534. 1928. – For part 1 see Kintura Okamura [1867-1935]. Ib. ser. 4 (Biol.): 1-17. 1927.

**18.414.** *Une nouvelle espèce d'Udotea* du Pacifique: Udotea Geppii sp. nov. Paris (Publications de la Revue algologique) 1930. Oct.
*Publ.*: 1930 (p. 142: Jun 1930), cover-t.p., p. [139]-142. *Copies*: B, US. – Reprinted and to be cited from Rev. alg. 5: 139-142. 1930.

**18.415.** *Notes on some Japanese algae,* I ... Sapporo, Japan ... 1930. Oct.
*1*: Sep 1930, cover-t.p., p. [27]-36, *pl. 2-6.* – Reprinted and to be cited from J. Fac. Sci. Hokkaido Univ. ser. 5. 1(1): [27]-36, *pl. 2-6.* 1930.
*2*: Apr 1931, cover-t.p., p. 65-76, *pl. 16-20.* – Id. ser. 5. 1(2): 65-76, *pl. 16-20.* 1931.
*3*: Feb 1932, cover-t.p., p. [109]-123, *pl. 21-25.* – Id. ser. 5. 1(3): [109]-123, *pl. 21-25.* 1932.
*4*: Nov 1932, cover-t.p., p. [267]-276, *pl. 3-9.* – Id. ser. 5. 2(2): [269]-276, *pl. 3-9.* 1932.
*5*: Mai 1933, cover-t.p., p. [277]-285, *pl. 10-13.* Id. ser. 5. 2(3): [277]-285, *pl. 10-13.* 1933.
*6*: 1935, cover-t.p., p. [27]-35, *pl. 11-16.* – Id. Sci. Pap. Inst. alg. Res., Hokkaido Univ. 1(1): [27]-35, *pl. 11-16.* 1935.
*7*: 1936, cover-t.p., p. [135]-140, *pl. 25-33* with text. – Id. 1(2): [135]-140, *pl. 25-33.* 1936.
*8*: 1938, cover-t.p., p. [119]-130, *pl. 19-31* with text. – Id. 2(1): [119]-130, *pl. 19-31.* 1938.

*9*: 1941, cover-t.p., p. [195]-215, [217], *pl. 40-48* with text. – Id. 2(2): [195]-215, [217], *pl. 40-48*. 1941.
*10*: 1944 [no reprint seen], publ. in id. 3(1): 11-25. 1944.
*Copies*: FH, US.

**18.416.** *Notes on Laurencia* with special reference to the Japanese species ... Berkeley, California (University of California Press) 1931. Oct.
*Publ.*: 26 Jun 1931, cover-t.p., p. [i-ii], [185]-310, *pl. 1-30*. *Copies*: B, NY, US. – Reprinted and to be cited from Univ. Calif. Publ. Bot. 16(7): 185-310, *pl. 1-30*. 1931.

**18.417.** *The marine Chlorophyceae from Ryukyu* especially from the vicinity of Nawa ... Sapporo, Japan ... 1934. Oct.
*Publ.*: Mar 1934, cover-t.p., p. [33]-88. *Copies*: NY, US. – Reprinted and to be cited from J. Fac. Sci., Hokkaido Univ. ser. 5. 3(2): [33]-88. 1934.

**18.418.** *Marine algae from Urup*, the Middle Kuriles, especially from the vicinity of Iema Bay ... Hokkaido Imperial University ... 1935. Oct.
*Publ.*: 1935, cover-t.p., p. [1]-26, [27], *pl. 1-10* with text. *Copy*: US. – Reprinted and to be cited from Sci. Pap. Inst. Alg. Res. Hokkaido Univ. 1(1): [1]-26, [27], *pl. 1-10*. 1935.

**18.419.** *The species of Eucheuma from Ryûkyû* and Formosa ... Hokkaido University ... 1936. Oct.
*Publ.*: 1936, cover-t.p., p. [119]-134, *pl. 21-29* with text. *Copies*: NY, US. – Reprinted and to be cited from Sci. Pap. Inst. Alg. Res. Hokkaido Univ. 1(2): [119]-134, *pl. 21-29*. 1936.

**18.420.** *The species of Liagora from Japan* ... Hokkaido University [Sapporo] 1938. Oct.
*Publ.*: 1938, cover-t.p., p. [1]-34, [35], *pl. 1-15* with text. *Copy*: US. – Reprinted and to be cited from Sci. Pap. Inst. Alg. Res. Hokkaido Univ. 2(1): [1]-34, *pl. 1-15*. 1938.

**18.421.** *The marine algae from the Island of Yonakuni* ... Sapporo, Japan 1938. Oct.
*Co-author*: Takesi Tanaka.
*Publ.*: Mar 1938, cover-t.p., p. [53]-86. *Copies*: NY, US. – Reprinted and to be cited from Sci. Pap. Inst. Alg. Res. Hokkaido Univ. 2(1): [53]-86. 1938.

**18.422.** *On some culture experiments with the swarmers of* certain species belonging to the *Ulvaceae* ... Hokkaido University [Sapporo] ... 1938. Oct.
*Publ.*: 1938, cover-t.p., p. [35]-51, *pl. 16* w.t. *Copy*: US. – Reprinted and to be cited from Sci. Pap. Inst. Alg. Res. Hokkaido Univ. 2(1): [35]-51, *pl. 16*, id. 1938.

**Yamamoto, Yoshimatsu** [born Wakamori] (1893-1947), Japanese botanist; studied at the Fukui Teacher's College [Normal School] 1908-1913; primary school teacher in Sabae 1913-1915; at Hiroshima higher Teacher's College 1915-1919; biological teacher at Kagoshima Teacher's College 1919-1920; studied at Tokyo University 1920-1923; assistant with Hayata 1923-1928; asst. professor Taihoku University, Taiwan from 1928; studied in the United States and Great Britain 1933-1934; Dr. Sci. Tokyo Univ. 1934; continued his teaching at Taihoku Univ. from 1934, becoming ordinary professor of botany at the National Taiwan University 1945-1947. (*Yamamoto*).

HERBARIUM and TYPES: TAI. – Further material in BO, MO. – *Letters* at NY (e.g. Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 528; BJI 2: 195; BM 8: 1463; IF suppl. 3: 219; Langman p. 814; Lenley p. 443; MW p. 540 (main bibl.), suppl. p. 401-402 (main bibl.); NI p. 814; SK 1: 588 (coll.); TL-2/2499; Tucker 3: 343.

BIOFILE: Frodin, D.G., Guide standard floras world no. 886. 1984.
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COMPOSITE WORKS: *Supplementa.* 1925-1932, to B. Hayata, *Icon. fl. formos.* 1911-1921, see TL-2/2499.

EPONYMY: *Yamamotoa* A.C. Batista (1960) honors the Japanese mycologist Wataro Yamamoto.

**18.423.** *Contributiones ad floram Formosarum* ... Reprinted from Trans. Nat. Hist. Soc. Formosa ... 1929. Oct.
[*1*]: Feb 1929, cover-t.p., p. 104-107. – Reprinted and to be cited from Trans. Nat. Hist. Soc. Formosa 19(100): 104-107. 1929.
*2*: Feb 1930, cover-t.p., p. 38-42. – Id. 10(106): 38-42. 1930.
*3*: Apr 1930, cover-t.p., p. 97-105. – Id. 20(107): 97-105. 1930.
*4*: 1932, no reprint seen. – Id. 22: 408-410. 1932.

**18.424.** *Observationes ad floram formosanum* I. – Reprinted from Journal of the Society of Tropical Agriculture, ... Formosa 1931. Oct.
*1*: Oct 1931, cover-t.p., p. [236]-245. – Reprinted and to be cited from J. Soc. trop. Agr., Taihoku Univ. 3(3): 236-245. 1931. – Contr. Herb. Taihoku Univ. 12.
*2*: Mar 1932, cover-t.p., p. [49]-55. – Id. 4(1): 49-55. 1932. – Contr. 16.
*3*: Jun 1932, cover-t.p., p. [187]-191. – Id. 4(2): [187]-191. 1932. – Contr. 19.
*4*: Oct 1932. – Id. 4(3): 304-307. 1932.
*5*: Dec 1932. – Id. 4(4): 484-487. 1932.
*6*: Mar 1933. – Id. 5(1): 54-56. 1933.
*7*: Jun 1933. – Id. 5(2): 178-184. 1933.
*8*: Oct 1933. – Id. 5(3): 346-356. 1933.
*9*: Dec 1933. – Id. 5(4): 405-407. 1933.
*10*: Nov 1934, cover-t.p., p. 549-568, *pl. 1.* – Id. 6(3): 549-568. 1934. – Contr. 40.
*11*: Jun 1935, cover-t.p., p. 140-153. – Id. 7(2): 140-153. 1935. – Contr. 41.
*12*: Mar 1936, cover-t.p., p. 63-77. – Id. 8(1): 63-77. 1936. – Contr. 43.
*13*: Jun 1936, cover-t.p., p. 142-156.– Id. 8(2): 142-156. 1936. – Contr. 45.
*14*: Oct 1936, cover-t.p., p. 264-284. – Id. 8(3): 264-284. 1936. – Contr. 47.
*15*: Dec 1936, cover-t.p., p. 347-359. – Id. 8(4): 347-359. 1936. – Contr. 48.
*16*: Apr 1937, cover-t.p., p. 84-98. – Id. 9(1): 84-98. 1937. – Contr. 50.
*17*: Oct 1937, cover-t.p., p. 291-307. – Id. 9(3): 291-307. 1937. – Contr. 52.
*18*: Dec 1937, cover-t.p., p. 379-389. – Id. 9(4): 379-389. 1937. – Contr. 54.
*19*: Mar 1938, cover-t.p., p. 111-129. – Id. 10(1): 111-129. 1938. – Contr. 56.
*20*: Jun 1938, cover-t.p., p. 176-180. – Id. 10(2): 176-186. 1938. – Contr. 59.
*21*: Oct 1938, cover-t.p., p. 274-280. – Id. 10(3): 274-280. 1938. – Contr. 60.
*Copies*: B, HH, NY.

**18.425.** *Notes on the genus Stephania* (Menispermaceae) in Japan proper and Formosa ... Reprinted from the Natural History Society of Formosa ... 1936. Oct.
*Publ.*: Jun 1936, cover-t.p., p. [239]-243. *Copy*: B. – Reprinted and to be cited from Trans. Bot. Nat. Hist. Soc. Formosa 26(153): [239]-243. 1936.

**18.426.** *Species nova Mitrastemonacearum* (Rafflesiacearum) ex Mexico ... Reprinted from the Botanical Magazine, Tokyo ... 1936. Oct.
*Publ.*: Oct 1936, cover-t.p., p. [539]-541. *Copies*: G, US. – Reprinted and to be cited from Bot. Mag., Tokyo 50(598): [539]-541. 1936.

**Yatabe, Ryôkichi** (1851-1899), Japanese botanist; BS Cornell 1876; studied with A. Gray and Farlow at Harvard; first professor of botany at Tokyo Imperial University; founder of the Botanical Society of Japan and president of the Higher Teacher's College; director of the Botanic Gardens Tokyo Imperial University 1877-1890. (*Yatabe*).

HERBARIUM and TYPES: TI; further material in G. – *Letters* at FH, GH.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 530 (d. 8 Aug 1899); BM 5: 2373; Bossert p. 446; CSP 19: 738; De Toni 4: lix; Hortus 3: 1207; IH 1 (ed. 6): 366, (ed.

7): 346; Morren ed. 10, p. 147; MW p. 543 (bibl.); NI 2189; Rehder 5: 936; TL-2/5673; Tucker 1: 756; Zander ed. 10, p. 734, ed. 11, p. 838.

BIOFILE: Anon., Bot. Centralbl. 80: 320. 1899 (d.; drowned in the sea nr. Kamakura); Bot. Gaz. 29: 223. 1900 (d.); Bot. Mag. Tokyo 13 (154). 1899 (portr.); Bot. Not. 1900: 47 (d.); Hedwigia 38: (297). 1899 (1900) (d.); Japan biogr. enc. who's who ed. 3. 1911. 1964.
Burdet, H.M., Candollea 34: 213-214. 1979.
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Wittrock, V.B., Acta Horti Berg. 3(3): 182, *pl. 150*. 1905 (portr.).

COMPOSITE WORKS: (1) "Supervisor", J. Matsumura, *Nippon Shokubutsameii* ed. 1, 1884, TL-2/5673.
(2) Collector, J. Müller Arg., *Lichenes Yatabeani* ... [Florence 1892], Nuovo Giorn. bot. ital. 24: 189-202. 1892.

HANDWRITING: Candollea 34: 213-214. 1979.

EPONYMY: *Yatabea* Maximowicz ex Yatabe (1891); *Yatabella* Okamura (1900).

**18.427.** *Iconographia florae japonicae*; or, descriptions with figures of plants indigenous to Japan ... Tokyo (Z.P. Maruya & Co. ...) 1891-1893, 3 parts. †. (*Iconogr. fl. jap.*).
*1(1)*: 1891 (p. [iii]: 20 Mar 1891; Bot. Centralbl. 19 Nov 1891), p. [i*-v*], err. slip, [i]-ii, [1]-66, *pl. 1-20* (uncol. liths.); J. Bot. Dec 1891; Bot. Zeit. 29 Dec 1891).
*1(2)*: 1892 (p. [iii]: 20 Mar 1891; Bot. Centralbl. 26 Jul 1892; Bot. Zeit. 20 Jul 1892; J. Bot. Aug 1892; Nat. Nov. Aug 1892), p. [i*], [i]-iii, [67]-165, *pl. 21-40* (id.).
*1(3)*: 1893 (Bot. Centralbl. 21 Aug 1894 (as of 1893)), p. [i*], [i]-iii, [167]-252, *pl. 41-60* (id.).
*Copies*: BR, FH, G, HH, M, MO, NY.
*Reprint 1(2)*: 1906, as original, Tokyo & Osaka (The Maruzen-Kabushiki-Kaisha ...) 1906.

**Yates, Lorenzo Gordin** (1837-1909), British-born American naturalist (botanist, paleontologist, conchologist); to U.S. 1853; studied medicine and dentistry; settled in Centerville, California 1864 as practicing dentist; in various ways associated with the geological and botanical survey of California, ultimately (1905-1906) Horticultural Commissioner, Santa Barbara. (*L. Yates*).

HERBARIUM and TYPES: UC (*Pter.*) and SBM. Other material at E. – *Letters* at FH, GH. – *Manuscripts*: Bancroft Library.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 530; BB p. 337; BL 1: 169; BM 5: 2373; CSP 11: 867, 12: 796, 19: 739; Desmond p. 681.

BIOFILE: Anon., Amer. men sci. ed. 1. 360. 1906; Brit. Mus. gen. cat. print. books 262: 93. 1966; Who's who Amer. 1-5, 1899-1919; Who was who America 1: 1389. 1968.
Camp, C.L., J. Soc. Bibl. nat. Hist. 4: 178-193. 1963 (obit., lists of conchological catalogues, bibl., sources; b. 12 Jan 1837, d. 30 Jan 1909); Journal of the West 2: 377-400. 1963).
Jones, G.N., Ann. bibl. Mex. ferns 236. 1966.

**18.428.** *Catalogue of ferns of North America* in Lorenzo G. Yates' Collection, Santa Barbara, Cal. Being a full list of all the known species found in the United States and British America. Santa, Barbara, Cal. 1886 (*Cat. ferns N. Amer.*).
*Publ.*: 1886, p. [i], err. slip, [1]-8. *Copies*: HH, NY(2), USDA.

**18.429.** *Catalogue of exotic ferns and Lycopodiaceae* in Lorenzo G. Yates collection ... Santa Barbara Cal. 1886. (*Cat. exot. ferns Lycop.*).
*Publ.*: 1886, p. [i], [1]-20, [1, add.]. *Copy*: *NY*.

**18.430.** *The ferns of Ceylon* by Lorenzo G. Yates. With extracts from manuscript notes of the late Dr. Thwaites, and the published works of Hooker, Baker and Wall. Santa Barbara, Cal. (printed by Geo O. Yates) 1887. (*Ferns Ceylon*).
*Publ.*: 1887 (p. [3]: Feb 1887; TBC Apr 1887; BG Apr 1887), p. [1]-33. *Copies*: HH, NY, USDA.

**18.431.** *Notes on Hawaiian ferns.* Compiled from the works of Hooker, Baker, Bailey and others ... Santa Barbara, Cal. (printed by Geo. O. Yates) 1887. (*Not. Hawaii. ferns*).
*Publ.*: 1887 (p. 2: Jan 1887; TBC Apr 1887), p. [1]-15. *Copies*: NY, USDA.

**18.432.** *Channel Islands* ... Stray notes on the geology of the Channel Islands. The Mollusca of the Channel Islands of California. Insular floras. Written for the Annual Report of the State Mineralogist for California ... [1890]. Oct.
*Publ.*: 1890, p. [1]-20, *pl. 1-4* and [1]. *Copy*: US. – Insular floras on p. 11-20, *pl.* [*1*], reprinted for Ann. Rep. Mineral. Calif. 9: 179-188. 1890. – Additions: R. Hoffmann, Bull. S. Calif. Acad. Sci. 31: 46-60, 101-120. 1932.

**18.433.** *Ferns of the Pacific Coast* ... read at the session of the Pacific States Floral Congress held in San Francisco, California, in 1901, s.l.n.d. (*Ferns Pacif. Coast*).
*Publ.*: 1901, p. [1-4]. *Copy*: HH.

**18.434.** *The marine algae of Santa Barbara County*, California ... Santa Barbara, California ... 1902. Oct.
*Publ.*: Jan 1902 (date on t.p. reprint), cover-t.p., p. [1]-20. *Copies*: NY, US, USDA. – Reprinted from Bull. Santa Barbara Soc. nat. Hist. 1(3): 3-20. 1902.

**Yendo, Kichisaburo** (1874-1921), Japanese algologist; studied at the College of Science, Imperial University of Tokyo (grad. bot. 1901); professor of marine botany Hokkaido Imperial University 1907; Dr. Sci. ib. 1908; retired on account of ill health in 1919. (*Yendo*).

HERBARIUM and TYPES: SAP and TI; other material at C, K, NY, W.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 531 (b. 30 Aug 1874, d. 14 Mar 1921); BM 5: 2373-2374, 8: 1464; Bossert p. 446; Kleppa p. 90, 92; MW p. 544-545 (bibl.), suppl. p. 406; Tucker 1: 756.

BIOFILE: Anon., Bot. Mag. 25(415): 126-130. 1921 (obit., portr., bibl., b. 30 Aug 1874); Hedwigia 66: (56). 1926 (algol. herb. donated to TI by Yendo's son); Index Amer. bot. lit. 1886-1966. 4: 593. 1969.
VanLandingham, S.L., Cat. diat. 7: 4241. 1978.

EPONYMY: *Yendonia* Kylin (1930).

**18.435.** *Corallinae verae of Port Renfrew* ... [Minnesota Bot. Stud. 1902]. Oct.
*Publ.*: Mai 1902 (journal issue for 15 Mar 1902 but redated Mai 1902), p. 711-722, *pl. 51-56. Copies*: US(2). – Reprinted and to be cited from Minnesota Bot. Stud. Ser. 2. 6: 711-722, *pl. 51-56.* 1902.

**18.436.** *Enumeration of Corallinaceous algae hitherto known from Japan* ... Reprinted from the Botanical Magazine Tokyo ... 1902. Oct.
*Publ.*: Nov 1902, cover-t.p., p. [1]-12. *Copy*: US. – Reprinted and to be cited from Bot. Mag. Tokyo 16(189): 185-196. 1902.

**18.437.** *Corallinae verae japonicae* ... Reprinted from the Journal of the College of Science ... Tokyo, ... 1902. Oct.
*Publ.*: 1902 (BSbF 26 Dec 1902; Nat. Nov. Jan(2) 1903), cover-t.p., p. [1]-36, [37-38, cont.], *pl. 1-7* with text (*pl. 1-3* liths. auth., *4-7* photos). *Copies*: BR(2), FH, H, HH, US. – Reprinted and to be cited from J. Coll. Sci. Imp. Univ. Tokyo 16(2) (article 3): 1-36, [37-38], *pl. 1-7* (id.).

**18.438.** *Three new marine algae from Japan* ... Reprinted from The Botanical Magazine, Tokyo ... 1903.
*Publ.*: 1903, cover-t.p., p. 99-104, *pl. 2-3*. *Copy*: US. – Reprinted and to be cited from Bot. Mag., Tokyo 17: 99-104, *pl. 2-3*. 1903.

**18.439.** *A study of the genicula of Corallinae* ... Journal of the College of Science, ... Tokyo, ... [1904]. Oct.
*Publ.*: 24 Jun 1904, cover-t.p., p. [1]-44, [45-46], *1 pl.* with text. *Copies*: BR, US. – Reprinted and to be cited from J. Coll. Sci., Univ. Tokyo 19 (art. 14): [1]-44, [45-46] (id.). 1904.

**18.440.** *A revised list of Corallinae* ... Journal of the College of Science, ... Tokyo, ... [1905].
*Publ.*: 25 Dec 1905, cover-t.p., p. [1]-46. *Copies*: BR, US. – Reprinted and to be cited from J. Coll Sci., Univ. Tokyo 20 (art. 12): [1]-46. 1905.

**18.441.** *Principle of systematizing Corallinae* ... Reprinted from the Botanical Magazine, Tokyo ... 1905.
*Publ.*: Dec 1905, cover-t.p., p. [115]-126. *Copy*: US. – Reprinted and to be cited from Bot. Mag., Tokyo 19(226): [115]-126. 1905.

**18.442.** *The Fucaceae of Japan* ... Journal of the College of Science, ... Tokyo, ... 1907.
*Publ.*: 1907 (p. 6: Nov 1906), cover-t.p., p. [1]-174, [175], *pl. 1-18* (uncol. liths., with text). *Copies*: BR, FH, NY, US. – Issued as and to be cited from J. Coll. Sci., Imp. Univ. Tokyo 21 (art. 12): 1-174, [175], *pl. 1-18* (id.).
*Preliminary list*: Bot. Mag., Tokyo 19: (149)-(161). 1905.

**18.443.** *Notes on algae new to Japan.* I-VIII, and concluding remark ... Tokyo 1909-1918. Oct.
*Publ.*: 1909-1918, a set of reprints from Bot. Mag., Tokyo provided with a special t.p. *Copies*: FH, US. – Original papers reprinted and to be cited from Bot. Mag., Tokyo 23(270): 117-133. Jul 1909, 28(333): 263-281. Sep 1914, 29(343): 99-117. Jul 1915, 30(350): 47-65. Feb 1916, 30(355): 243-263. Jul 1916, 31(363): 75-95. Mar 1917, 31(367): 183-207. Jul 1917, 32(376): 65-81. Apr 1918, 32(380): 175-187. Aug 1918.

**18.444.** *A monograph of the genus Alaria* ... Journal of the College of Science, Tokyo Imperial University ... 1919. Oct.
*Publ.*: 30 Mai 1919, cover-t.p., p. [1]-145. *pl. 1-19* with text. *Copies*: BR, G, NY, US(2). – Reprinted and to be cited from J. Coll. Sc. Imp. Univ. Tokyo 43: 1-145, *pl. 1-19*. 1919.
*Facsimile ed.*: 1976, Vaduz (J. Cramer, ...) Bibliotheca phycologica 21, ISBN 3-7682-1066-9. *Copy*: FAS.
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**18.445.** *Novae algae japonicae.* Decas i-iii ... Tokyo 1920.
*Publ.*: Jan 1920, cover-t.p., p. [1]-12. *Copy*: FH. – Reprinted and to be cited from Bot. Mag. Tokyo 34(397): 1-12. 1920.

**Young, Aaron** (1819-1898), American botanist; studied at Bowdoin College 1841-1842; at Jefferson medical college, Philadelphia 1842-1843; assistant in chemistry Bowdoin College 1840-1841; apothecary in Bangor, Maine, ear surgeon and peddled cure-all in Maine, newspaper editor id.; American consul at Rio Grande do Sul, Brazil 1863-1873; practicing physician in Boston from 1875. (*Aa. Young*).

HERBARIUM and TYPES: GH. – *Letters* to Torrey at NY.

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BIOFILE: Anon., Who was who America, Hist. vol. 601. 1963.

Elliot, C.A., Biogr. dict. Amer. sci. 288. 1979.
Spalding, J.A., *in* H.A. Kelly & W.L. Burrage, Amer. med. biogr. 1279-1281. 1920.

EPONYMY: *Youngia* Cassini (1831) (and the derived genus × *Ixyoungia* Kitamura (1942)) was named for two Englishmen, a poet and a physician, according to Cassini. Neither can be identified with certainty although the phsycian may have been Dr. Thomas Young (1773-1829).

**18.446.** *A flora of Maine*: illustrated with specimens from nature. Arranged according to the natural system, and containing descriptions of all the known indigenous plants growing in the state; giving their generic and specific characters, principal synonymous [sic], places of growth, and time of flowering, and occasional remarks ... Bangor (Samuel S. Smith, printer) 1848. (*Fl. Maine*).
*Publ.*: 1848, p. [i-vi], 62 sheets with dried specimens and names holographic, with descriptive text. *Copies*: HH (62 specimens), NY (28 specim.).
*Ref.*: Bean, R.C., Rhodora 55: 293-296. 1953.

**Young, Esther** (1893-x), American mycologist; married Leighton J. True, Indianapolis Ind. (*Est. Young*).

HERBARIUM and TYPES: ILL.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 533 (b. 14 Feb 1893); Kelly p. 243-244; Stevenson p. 1263.

**18.447.** *Studies on Porto Rican parasitic fungi* – I[-II] ... Reprinted from Mycologia 1915 [-1916]. Oct.
*1*: 15 Jan 1915, cover-t.p., p. 143-150. – Reprinted and to be cited from Mycologia 7(3): 143-150. 1915.
*2*: 21 Jan 1915, cover-t.p., p. 42-46. – Id. 8(1): 42-46. 1916.
*Copies*: NY, Stevenson.

**Young, Herbert Andrew** (1857-1894), American civil engineer and botanist; ultimately officer of the Mexican Central Railway. (*H.A. Young*).

HERBARIUM and TYPES: GH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 533 (d. 8 Dec 1894); BL 1: 189, 325; Rehder 1: 315; Tucker 3: 344.

BIOFILE: Rich, W.P., Bull. Torrey bot. Club 22(1): 51. 1895 (obit. not.).

**18.448.** *Catalogue of the flora of Oak Island*, Revere, Massachusetts ... Salem (Peabody Academy of Science) 1883. Oct. (in 4-s). (*Cat. fl. Oak Isl.*).
*Publ.*: 1883 (TBC Dec 1883), p. [1]-19, map. *Copy*: FH. – Reprinted and to be cited from Bull. Essex Inst. 14: 141-157, map. 1883. – Additions: W.P. Rich, Rhodora 4: 87-94. 1902.

**Young, Mary Sophie** (1872-1919), American teacher and botanist; BA Wellesley Coll. 1895; Dr. phil. Univ. Chicago 1910; teacher at Sullivan, Mo., 1895-1897; high school teacher Dundee Ill. 1897-1898; id. Grafton Hall, Fond du Lac, Wisc. 1898-1906; at Waterman Hall, Sycamore, Ill. 1907-1908; fellow in botany, Univ. Chicago 1908-1910; instructor in botany, Univ. Texas 1910-1919. (*M.S. Young*).

HERBARIUM and TYPES: TEX (10.000); further material at GH, ILL, MICH, MO, NY, PH, WTU.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 534 (d. 5 Mar 1919); BL 1: 217, 325.

BIOFILE: Anon., Bot. Soc. Amer., Publ. 76: 81-82. 1920 (obit.); Index Amer. bot. lit. 1886-1966, 4: 596. 1969; Science ser. 2. 49: 377. 1919 (obit. not.).
Tharp, B.C. & C.V. Kielman, Mary S. Young's Journal of Botanical Explorations ... Texas 1914; Austin Texas s.d., ii, 54 p., 8 pl. (p.p. reprinted from Southw. Hist. Quarterly 65(3): 366-393. Jan 1962, 65(4): 512-538. Apr 1962.

**18.449.** *The male gametophyte of Dacrydium* ... [Chicago] (printed at the University of Chicago Press) 1907. Oct.
*Publ.*: Sep 1907, cover-t.p., p. 189-196, *pl. 19. Copy*: B. – Reprinted and to be cited from Bot. Gaz. 44: 189-196. 1907. – Contr. Hull bot. Lab. 99.

**18.450.** *The morphology of the Podocarpineae* ... [Chicago] (printed at the University of Chicago Press) 1910. Oct.
*Publ.*: Aug 1910, cover-t.p., p. 81-100, *pl. 4-6. Copy*: B. – Reprinted and to be cited from Bot. Gaz. 50(2): 81-100. Aug 1910. – Contr. Hull bot. Lab. 138. – Dissertation ... degree doctor of philosophy ... Chicago 1910.

**18.451.** *A key to the families and genera of the wild plants of Austin*, Texas ... University of Texas Bulletin ... 1917. Oct. (*Key pl. Austin*).
*Publ.*: 25 Sep 1917, cover, p. [1]-71. *Copies*: HH, MO, USDA. – Univ. Texas Bull. 1754, 1917.

**18.452.** *The seed plants, ferns and fern allies of the Austin region* ... University of Texas Bulletin ... 1920. Oct. (*Seed pl. Austin*).
*Publ.*: 20 Nov 1920, cover, p. [1]-98. *Copies*: HH, NY, PH, US, USDA. – Univ. Texas Bull. 2065. 1920.

**Young, William Jr.** (1742-1785), American (German-born) botanist; came to Philadelphia from Cassel (Germany) 1744; nurseryman and gardener at Kingsessing 1761-1764; to England 1764; studied botany and gardening; returned to America 1766 as Queen's botanist and commercial gardener and plant collector; again in England 1768 accompanying a consignment of plants, in the Carolinas 1768, to England 1769-1770, 1771-1772; continued his collecting activities from Philadelphia 1772-1785. (*W. Young*).

HERBARIUM and TYPES: BM. – *Manuscripts*: BM.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 534 (b. 30 Nov 1742, d. 16 Mar 1785); BB p. 337-338; BM 5: 2376; Dryander 3: 186 (mss.); ME 1: 244, 3: 353, 743; Tucker 1: 344, 3: 343.

BIOFILE: Britten, J., J. Bot. 32: 332-337. 1894.
Coats, A.M., Plant hunters 275, 279-281. 1969.
Darlington, W., Memorials 266, 267, 270, 279, 285, 286, 344, 504, 509, 510. 1849.
Ewan, J. et al., Short hist. bot. U.S. 3. 1969.
Hadfield, M., Brit. Gard. 313. 1980 (b. 1705 [err.]).
Harshberger, J.W., Torreya 17(6): 91-99. 1917 (biogr. based on original sources).
Kinch, M., Newsl. Soc. Bibl. nat. Hist. 10: 8. 1981.
Murray, G., *in* Hist. coll. nat. hist. depts. Brit. Mus. 1: 193. 1904 (Carolina pl. 1767).
Woodward, B.B., *in* Hist. coll. nat. hist. depts. Brit. Mus. 1: 53. 1904 (302 water colour drawings 1767).

**18.453.** *Catalogue d'arbres et plantes herbacées d'Amérique*, par M. Yong [sic, for Young], Botaniste de Pensylvanie. Ce catalogue est divisé en deux parties; la première contient les plantes que M. Yong peut fournir aux Européens, soit en graines, soit en plants [sic]. La seconde contient celles qu'on ne pourra se procurer, qu'en les demandant dans d'autres provinces. À Paris (de l'Imprimerie de la V.e Hérissant, ...) 1783. Oct. (*Cat. arbr. Amer.*).
*Publ.*: 1783, p. [i-iv], [1]-55. *Copy*: HH. – Other copy at Mus. Hist. Nat. Paris.
*Facsimile repr.*: 1916, p. [i]-xi, [i-iii], [1]-55. *Copies*: H, MO, NY, PH. – *Botanica neglecta.* William Young, Jr. (of Philadelphia) "Botaniste de Pensylvanie" and his long-

forgotten book being a facsimile reprint of his "Catalogue d'arbres arbustes et plantes herbacées d'Amérique" published in Paris in 1783 with a prefatory account by the author and critical notes by the editor Samuel N. Rhoads. Privately printed, Philadelphia. 1916. – 250 copies.
*Ref.*: N.T., Torreya 16: 244-245. 9 Dec 1916 (rev.).
Tucker, E.M., J. Arnold Arb. 11: 59-60. 1930.

**Young, William** of Kirkcaldy (1865-1947), British botanist; sometime member of the staff of the Royal Botanic Garden, Edinburgh. (*W. Young, Kirkc.*).

HERBARIUM and TYPES: STA; further material at DBN, E, MANCH.

BIBLIOGRAPHY and BIOGRAPHY: BJI 2: 300, 734; Desmond p. 682 (d. 16 Mar 1947).

BIOFILE: Kent, D.H., Brit. herb. 87. 1957.
Kent, D.H. & D.E. Allen, Brit. Irish herb. 281. 1984 (coll.).

**18.454.** *A list of flowering plants and ferns recorded from Fife and Kinross* (V.C. 85) ... Edinburgh 1936. Oct. (*List fl. pl. Fife*).
*Publ.*: 1936, p. [1]-173, map. *Copy*: LIV. – Reprinted and to be cited from Trans. Bot. Soc. Edinburgh 32(1): 1-173. 1936.

**Youngken, Heber Wilkinson** (1885-1963), American pharmacologist; studied pharmacy and natural sciences at Med. Chir. Coll. Philadelphia, Buchnell Univ. and Univ. of Pennsylvania 1903-1915; Dr. phil. Pennsylvania 1915; demonstrator of biology and pharmacy at Med. Chir. Coll. 1909; professor of botany and pharmacognosy at Philadelphia College of Pharmacy and Science 1911-1923; id. at Massachusetts College of Pharmacy, Boston, 1923-1951; research professor ib. 1951-1956; emeritus professor from 1956. (*Youngken*).

HERBARIUM and TYPES: PENN, MCP. – *Letters* at NY.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 534; BJI 2: 196; BL 1: 160, 325, 2: 8, 734; Hirsch p. 331; IH 1 (ed. 1): 13, (ed. 2): 26, (ed. 3): 29, (ed. 4): 31, (ed. 5): 23; Lenley p. 444; MW suppl. p. 409; Plesch p. 462; Roon p. 126; Tucker 3: 344.

BIOFILE: Anon., Amer. men sci. eds. 3-10. 1921-1961; Index Amer. bot. lit. 1886-1966. 4: 597-598. 1969; New York Times 21 Jul 1963, p. 64 (d. 20 Jul 1963); Who's who Amer. 14-32. 1926-1963; Who was who Amer. 4: 1044. 1974.
Ewan, J., et al., Short hist. bot. U.S. 23, 150. 1969.
Hoch, J.H., Amer. J. pharm. Educ. 29: 161-162. 1965 (tribute).
Poggendorff, J.C., Biogr.-lit. Handw.-Buch 6(4): 2947. 1940.

**18.455.** *The comparative morphology, taxonomy and distribution of the Myricaceae* of the Eastern United States ... (Thesis presented to the Faculty of the Graduate School of the University of Pennsylvania, May 8, 1915, in partial fulfilment of the requirements for the degree of Doctor of Philosophy) ... Reprinted from Contributions from the Botanical Laboratory of the University of Pennsylvania ... [1915]. Oct. (*Comp. morph. Myricac.*).
*Publ.*: 1915 (as thesis, 8 Mai 1915), cover-t.p., p. [339]-400, *pl. 81-90*. *Copy*: HH. – Preprinted from Contr. bot. Lab. Univ. Penn. 4(2): [339]-400, *pl. 81-90*. 1920.
*Preliminary text* (same title): Amer. J. Pharm. 87: 391-398. Sep 1915.

**18.456.** *Pharmaceutical botany* ... Philadelphia (P. Blakiston's Son & Co. ...) [1914]. (*Pharm. bot.*).
*Ed. 1*: Feb 1914 (rd. at LC 18 Feb 1914), p. [i]-xi, [1]-106. *Copy*: LC. – Edited by Frank E. Stewart.
*Ed. 2*: 1918, p. [i]-xvi, [1]-386. *Copy*: HH.– Philadelphia (P. Blakiston's Son & Co. ...) [1918]. Oct.
*Ed. 3*: 1921, p. [i]-xix, [xxi, err.], [1]-479. *Copy*: HH.
*Ed. 4*: n.v.

*Ed. 5*: 1927 (n.v.).
*Ed. 6*: 1938 (p. ix: Jun 1938), p. [i]-xxviii, 1-793. – *Copy*: G. – A college textbook of *Pharmaceutical Botany* ... Philadelphia (The Blakeston Company) [1938].
*Ed. 7*: 1951 (p. viii: Sep 1950), p. [i]-xviii, 1-752. *Copy*: BR. – *Pharmaceutical Botany*.

**Yuncker, Truman George** (1891-1964), American botanist; studied at Michigan State University, East Lansing; B.S. ib. 1914; M.A. Univ. Nebraska 1915; at Emmerich Manual Training High School, Indianapolis, Indiana 1915-1916; graduate assistant in botany, Univ. Illinois 1916; Dr. phil. ib. 1919; assistant professor of biology De Pauw University, Greencastle, Indiana 1919, professor and head of the Dept. of Botany from 1921-1956; emeritus professor from 1956; collected in Honduras 1934, 1936, 1938. (*Yunck.*).

HERBARIUM and TYPES: DPU. – Other material at A, BISH (first set Nive, Tonga), BM, BUT, F (first set Honduras), G, GH, ILL, K, MICH, MIN, MO, NY, PH, S, U, UCWI, US (impt. set), WELT. – *Letters* at G, NY (e.g. to Barnhart).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 535 (b. 20 Mar 1891); BL 1: 149, 325; Bossert p. 447; Hirsch p. 331; Hortus 3: 1207; IF suppl. 4: 349; IH 1 (ed. 1): 38, (ed. 2): 55, (ed. 3):67, (ed. 4): 73, 79, (ed. 5): 79, (ed. 6): 366, (ed. 7): 346, 2: 375, suppl. 4: 349; Langman p. 815; MW p. 547;, suppl. p. 412; NAF ser. 2. 4: 46; NW p. 62; PH 209, 450; Roon p. 126; SIA see index; TL-2/781, 15.051; Zander ed. 10, p. 735, ed. 11, p. 838.

BIOFILE: Anon., Amer. men sci. eds. 3-10. 1921-1961; Index Amer. bot. lit. 1886-1966. 4: 599-600. 1969; Who's who Amer. 20-33. 1938-1965; Who was who Amer. 4: 1044. 1974.
Deam, C.C., Fl. Indiana 1119. 1940.
Frodin, D.G., Guide standard floras world 619 [index]. 1984.
Laubengayer, R.A. ed., Proc. Indiana Acad. Sci. 74: 55-59. 1965 (obit.).
Maguire, B., Gard. J. 14: 73. 1964 (obit. not., portr.).
Markle, M.S., Proc. Indiana Acad. Sci. 76: 145. 1967.
Welch, W.H., Bull. Torrey bot. Club 91(5): 406-417. 1964 (obit., portr., bibl., d. 8 Jan 1964), 104(1): 24. 1977 (bibl. concluded), Taxon 13(6): 189-192. 1964 (obit., portr.).
Yuncker, T.G., Vita, in his Rev. N. Amer. W. Ind. sp. Cuscuta 1919.

COMPOSITE WORKS: (1) *Piperaceae*, *in* A.A. Pulle et al., eds., *Fl. Suriname* 1(2): 218-290. 1957. TL-2/8293).
(2) *Piperaceae*, K.H. Rechinger et al., *Fl. lowland Iraq* 1964.
(3) *Cuscuta*, *North American flora* ser. 2. 4: 1-51. 15 Dec 1965. TL-2/781.
(4) *Piperaceae*, *in* B. Maguire et al., *The botany of the Guyana Highland*, Mem. New York Bot. Gard. 10(5): 41-44. 17 Feb 1964.
(5) *Piperaceae*, *in* R.F. Woodson et al., *Fl. Panama* 4(1), Ann. Missouri Bot. Gard. 37: 1-120. Feb 1950.
(6) For further contr. to composite works outside our period see Index Amer. bot. lit. 1886-1966. 4: 600. 1969.

NOTE: Outside our period: (1) *The Piperaceae of Northern South America*, with W. Trelease (see TL-2/15.051), 2 vols. 1950, p. [i]-vii, 1-434, [viii], *pl. 1-393* and p. [i]-v, 435-838, [vi], *pl. 394-674*.
(2) *Plants of Tonga*, 283 p., B.P. Bishop Mus. Bull. 220, repr. 1971 (Neudeln, Kraus) ISBN 0-527-02328-0.

EPONYMY: *Yunckeria* Lundell (1964).

**18.457.** *Revision of the North American and West Indian species of Cuscuta* with thirteen plates. Thesis submitted in partial fulfilment of the requirements for the degree of doctor of philosophy in botany in the graduate school of the University of Illinois 1919. [Published by the University of Illinois, 1921]. Oct. (*Revis. N. Amer. Cuscuta*).
*Thesis ed.*: 1 Mar 1921, p. [3]-141, *pl. 1-13*. *Copy*: MICH. Alternative pagination p. [93]-231, see below. We have no indication that preprints exist.

*Commercial ed.*: 1 Mar 1921, cover, p. [1]-141, *pl. 1-13. Copies*: BR, G, HH, M, MICH, NY, US (rd. 21 Mar 1921), USDA. – Issued as Ill. biol. Monogr. 6(2-3): [93]-231 and with thesis pagination.
*Facsimile ed.*: 1970, New York (Johnson).

**18.458.** *Revision of the South American species of Cuscuta* ... Reprinted from the American Journal of Botany ... 1922 ... 1923. Oct.
*Publ.*: 10 Jan 1923 (for Dec 1922) and 3 Feb 1923 (for Jan 1923), cover-t.p., p. 557-575, 1-17. *Copies*: G, HH, NY, U, US. – Reprinted and to be cited from Amer. J. Bot. 9(10): 557-575. 10 Jan 1923, 10(1): 1-17. 3 Feb 1923.

**18.459.** *The genus Cuscuta* ... Published for the [Torrey botanical] Club by George Banta Publishing Company, Menasha, Wisconsin 1932. Oct. (*Cuscuta*).
*Publ.*: 11 Jun 1923 (date on cover), cover-t.p., p. [i-iii], 113-331. *Copies*: BR, HH. – Issued as Mem. Torrey bot. Club 18(2).

**18.460.** *Revision of the Hawaiian species of Peperomia* ... Honolulu, Hawaii (Published by the [Bernicé P. Bishop] Museum) 1933. Oct. (*Revis. Hawaii. Peperomia*).
*Publ.*: 1933, p. [i], [1]-131. *Copies*: BR, G, HH, M, MICH, MO, NY, U.

**18.461.** *Anatomy of Hawaiian Peperomias* ... Honolulu, Hawaii (Published by the [Bernice P. Bishop] Museum) 1934. Oct. (*Anat. Hawaii. Peperom.*).
*Co-author*: William Dudley Gray (1912-x).
*Publ.*: 1934, p. [1]-19. *Copies*: G, HH. – Issued as B.P. Bishop Mus. Occ. Pap. 10(20). 1934.

**18.462.** *Revision of the Polynesian species of Peperomia* ... Honolulu, Hawaii (Published by the [Bernice P. Bishop] Museum) 1937. (*Revis. Polynes. Peperomia*).
*Publ.*: 15 Mar 1937, p. [i*-ii*], [i], [3]-73. *Copies*: BR, G, HH, MO, NY, U. – Issued as B.P. Bishop Museum Bull. 143.

**18.463.** *Revision of the Micronesian species of Peperomia* ... Occasional Papers of Bernice P. Bishop Museum, Honolulu, Hawaii ... 1938. (*Revis. Micrones. Peperomia*).
*Publ.*: 31 Mar 1938, p. [7]-25. *Copies*: G, Peterson. – Issued as Occ. Pap. B.P. Bishop Mus., Honolulu, Hawaii 14(2). 1938.

**18.464.** *A contribution to the flora of Honduras* ... Chicago, U.S.A. 1938. Oct. (*Contr. fl. Honduras*).
*Publ.*: 31 Jan 1938, p. [285]-407, *pl. 1-18. Copies*: G, HH, M, MICH, NY, U. – Issued as Bot. Ser. Field Mus. Nat. Hist. 17(4). 1938.

**18.465.** *The genus "Cuscuta" in Argentina* ... Buenos Aires (Imprenta y Casa Editora "coni" ...) 1939. Oct.
*Publ.*: Nov 1939, p. [i], [447]-462. *Copies*: B, G, NY. – Reprinted and to be cited from Lilloa 4: [447]-462. 1939.

**18.466.** *A new species of Cuscuta from Yucatan* ... Separately printed, without change of paging from Bulletin of the Torrey botanical Club ... 1939.
*Publ.*: Dec 1939, p. 623-624. *Copy*: B. – Reprinted and to be cited from Bull. Torrey bot. Club 66: 623-624. 19 Dec 1939.

**18.467.** *Flora of the Aguan Valley* and the coastal regions near la Ceiba Honduras ... [Chicago] Field Museum of Natural History) 1940. Oct.
*Publ.*: 22 Mar 1940, p. [243]-346. *Copies*: BR, HH, NY, U. – Issued as Bot. Ser. Field Mus. nat. Hist. 9(4). 1940.

**18.468.** Presidential address *Parasitism as a way of life* ... Proceedings of Indiana Academy of Science ... 1940 Oct.
*Publ.*: 1940, cover-t.p., p. 6-15. *Copies*: B, G. – Reprinted and to be cited from Proc. Indiana Acad. Sci. 49: 6-15. 1940.

**18.469.** *The flora of Niue Island* ... Honolulu, Hawaii (published by the [Bernice P. Bishop] Museum) 1943. Oct. (*Fl. Niue Isl.*).
*Publ.*: 18 Jun 1943, p. [i*-ii*], i, [3]-126, *pl. 1-4. Copies*: BR, G, HH, NY. – B.P. Bishop Mus. Bull. 178.

**18.470.** *Plants of the Manua Islands* Honolulu, Hawaii (Published by the [Bernice P. Bischop] Museum) 1945. Oct. (*Pl. Manua Isl.*).
*Publ.*: 17 Apr 1945, p. [1-2], map, [3]-73. *Copies*: BR, G, HH. – B.P. Bishop Museum Bull. 184.
*Facsimile ed.*: 1971, Neudeln (Kraus) 1971, ISBN 0-527-02292-6.

**Zabel, Hermann** (1832-1912), German forester and botanist; assistant at the Botanical Garden and Museum, Greifswald 1854-1860; asst. forester at Neu-Katzow 1860-1869; in charge of the forestry botanical garden ("Akademischer Gartenmeister") at Hannov.-Münden 1869-1895; in retirement at Gotha. (*Zab.*).

HERBARIUM and TYPES: GOET; further material at GFW, LUX, MO, WRSL. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 4: 409i, 6(1): 89; Barnhart 3: 535 (b. 22 Sep 1832, d. 24 Apr 1912); Biol.-Dokum. 19: 10236-10237; BM 5: 2377; CSP 6: 475, 12: 798; Hegi 4(2): 1015, 5(2): 992; Hortus 3: 1207; Jackson p. 294, 429; LS 29437; Morren ed. 2, p. 8, ed. 10, p. 15; MW p. 547-548, suppl. p. 412; Rehder 5: 937; TL-2/411, 11.529, see E. Schelle; Tucker 1: 757, 2: xli, 3: 344; Zander ed. 10, p. 735, ed. 11, p. 838.

BIOFILE: Anon., Hedwigia 53: (96). 1912 (d.); Herbarium 28: 256. 1912 (herb. for sale); Index Amer. bot. lit. 1886-1966. 4: 601. 1969; Mitt. deut. dendrol. Ges. 1917, portr. opp. p. 249, 44 (Jahrb.): xxiii. 1932 (memorial notice).
Beissner, L., Mitt. deut. dendrol. Ges. 1912: 390-391. (obit., portr.).
Boll, E., Fl. Meklenburg 177. 1860.
Degen, A., Magy. bot. Lap. 12: 362. 1913 (obit. not.).
Kent, D.H., Index bot. monogr. 73. 1967.
Wagenitz, G., Index coll. princ. herb. Gott. 185. 1982.

COMPOSITE WORKS: (1) With L. Beissner and E. Schelle, *Handb. Laubholzben.* 1903, TL-2/411. – See also F. Schwerin, Acht Beitr. Acer 1909, TL-2/11.529.
(2) Collaborator, *Gartenflora* vols. 36-39, 1887-1890, see TL-2/8775.
(3) Translated G. Engelmann's treatment of the *Abietaceae* in the *Botany of California*, in Forstliche Blätter, Jun 1882 (n.v.), see E. Köhne, Bot. Centralbl. 14: 42. 1883.

EPONYMY: *Zabelia* (Rehder) Makino (1948).

**18.471.** *Übersicht der Flora von Neuvorpommern und Rügen* ... Neubrandenburg (Druck der Buchdruckerei von H. Gentz) 1859. Oct.
*Publ.*: 1859 (p. 4: Jun 1859), p. [1]-87. *Copy*: HH. – Reprinted and to be cited from Arch. Ver. Freunde Naturgesch. Meklenburg 13: 14-99. 1859.
*Nachträge* [*1*]: ib. 15: 418-424. 1861.
*Nachträge* [*2*]: ib. 17: 257-268. 1863.

**18.472.** *Synoptische Tabellen* zur leichten Bestimmung der häufigeren deutschen Pflanzengattungen nach dem Jussieu'schen System. Zum Gebrauche in Schulen und zum Selbststudium ... Münden (Verlag von Hans Augustin) 1872. Oct. (*Syn. Tab.*).
*Publ.*: 1872 (p. vii: Feb 1872; Bot. Zeit. 8 Nov 1872), p. [i]-vii, [1]-78, [79-80]. *Copy*: B.

**18.473.** *Systematisches Verzeichniss der in den Gärten der Königl. Preuss. Forstakademie zu Münden kultivirten Pflanzen* ... Münden ... 1878. Oct. (*Syst. Verz. Münden Pfl.*).
*Publ.*: Aug 1878, cover, p. [1]-43, [44, colo.]. *Copies*: G, HH, NY.

**18.474.** *Die strauchigen Spiräen* der deutschen Gärten ... Berlin (Verlag von Paul Parey ...) 1893. Oct. (*Strauch. Spiräen*).

*Publ.*: 1893 (p. iv: Jun 1893; Bot. Zeit. 16 Oct 1893; ÖbZ for Sep 1893), p. [i]-iv, [1]-128. *Copies*: BR, HH, MICH.

**18.475.** *Die Gattung der Zwergmispeln, Cotoneaster*, Medikus ... Sonder-Abdruck aus Mitteilungen der Deutschen Dendrologischen Gesellschaft Nr. 6. 1897. Oct.
*Publ.*: 1897, p. [1]-20. *Copy*: G. – Reprinted and to be cited from Mitt. deut. dendrol. Ges. 6: 14-32. 1897 and in Mitt. ed. 2. 1892-1898: 258-276. 1909.
*Nachträge*: 1898, ib. 7: 37-38. 1898, ed. 2. 1892-1898: 383-385. 1909.

**Zacharias, Eduard** (1852-1911), German (Berlin/Hamburg) botanist; studied in Hamburg at the Academic Gymnasium 1872-1874 and at the Universities of Heidelberg, Tübingen and Strassburg; Dr. phil. Strassburg 1877 with A. de Bary; Habil. Strassburg 1879, e.o. professor of botany 1882-1894; curator ("Kustos") of the Hamburg botanical garden 1894-1899, director 1899-1911; from 1901 also director of the Botanical Museum and the later (1908) Hamburg Botanical State Institutes. (*E. Zacharias*).

HERBARIUM and TYPES: HBG. – *Letters* at G, NY.

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**Zacharias [Emil] Otto** (1846-1916), German (Saxonian) zoologist and hydrobiologist; autodidactical scientist of private means, ultimately associated with the Hydrobiological Station of Plön. (*O. Zacharias*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

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*Copies*: G, NY, PH.
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*Publ.*: 1907, p. [i-iv], [1]-130, [131]. *Copy*: M.

**Zahlbruckner, Alexander** (1860-1938), Austrian (Hungarian-born) botanist (lichenologist); studied at Vienna University 1878-1883 with e.g. A. v. Kerner and J. v. Wiesner; Dr. phil. ib. 1883; voluntary assistant with G. Beck at the Vienna Natural History Museum 1883; "Hilfsarbeiter" 1886, assistant 1891, asst. curator 1897, curator 1899, head curator 1912, director 1918-1922; continuing his lichenological work in retirement from 1922; general secretary of the II International Botanical Congress, Vienna 1905; Hofrat 1918; FMLS 1925; corr. memb. Bot. Soc. Amer. 1928. (*Zahlbr.*).

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*Exsiccatae*: (1) *Kryptogamae exsiccatae*, editae a Museo Palatino Vindobonensi, cent. 1-26, 1894-1922 (until 1899 with G. Beck). For Schedae see below 1894-1923. 20 sets issued. Sets at BM, BPI, C, COLO, DPU, FH, G, GJO, H, K, M, NY, O, P, PC, S, U, UC, W.
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Nos. [1-267 with labels only] 1-20. Mai 1902; 21-40. Jun 1903; 41-60. Jul 1904; 61-80. Mai 1907; 101-120. Feb 1909; 121-140. Jun 1910; 141-165. 1911; 166-187. 1914; 188-207. 1921; 208-240. 1922; 241-267. 1927; [issued with *Schedae* from 268 onward] 268-288. Feb 1931; [with K.M. Redinger from no. 289] 289-311. 1933; 312-338. Feb 1935; 339-360. Jan 1935; 361-385. Mar 1936.
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(22) Editor of the volumes for lichens Rabenh., *Krypt. Fl.* ed. 2, 8 and 9, Abt. 1, Teil 1 and 2, see TL-2/8450.
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EPONYMY: *Zahlbrucknera* Herre (1910); *Zahlbrucknerella* Herre (1912).

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**18.487.** *Beiträge zur Flechtenflora Nieder-Oesterreichs* ... [Verh. k.k. Zool.-bot. Ges. Wien ... 1886]. Oct.
[*1*]: Mai 1886 (read 2 Sep 1885; journal issued as a whole late Dec 1886; preprint mentioned by Bot. Centralbl. 2-13 Aug 1886; Nat. Nov. Jun(2) 1886), p. 1-6. *Copies*: B, FH, G, H, Stevenson. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 36: 47-52. 1886.
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*Co-author* nos. 1-4: Günther Beck(1856-1931), see TL-2/1: 157-160.
*1*: 1894, cover-t.p., p. [119]-142, *pl. 2-3*. – Reprinted and to be cited from Ann. k.k. naturh. Hofmus. 9(1): [119]-142, *pl. 2-3*. 1894.
*2*: 1896 (Bot. Centralbl. 21 Oct 1896), p. [81]-101. – Id. 11(2): [81]-101. 1896.
*3*: 1898 (date on cover; Bot. Centralbl. 23 Feb 1898), cover-t.p., p. [75]-98. – Id. 12(2): [75]-98. 1897.
*4*: 1899 (date on cover; ÖbZ 1 Nov 1899; Bot. Centralbl. 13 Dec 1899), cover-t.p., p. [443]-472. – Id. 13(4): [443]-472. 1898.
*5-6*: 1900 (date on cover; ÖbZ for Nov-Dec 1900; Bot. Centralbl. 2 Jan 1901), cover-t.p., p. [169]-215. – Id. 15(2): [169]-215. 1900.
*7*: 1901 (date on cover), cover-t.p., p. [63]-90. – Id. 16(1): [63]-90. 1901.
*8*: 1902 (Bot. Centralbl. 25 Nov 1902; AbZ 15 Dec 1902), cover, p. [257]-281. – Id. 17(3): [257]-281. 1902.
*9*: 1903 (Bot. Centralbl. 8 Dec 1903), cover, p. [349]-375. – Id. 18(4): [349]-375. 1903.
*10-11*: 1904 (ÖbZ for Feb-Mar 1905; AbZ Mar 1905), cover, p. [379]-427. – Id. 19(4): [379]-427. 1904.
*12-13*: 1905 (AbZ 15 Sep 1906; Bot. Centralbl. 13 Nov 1906), cover, p. [1]-48. – Id. 20(4): [1]-48. 1905.
*14*: 1906 (AbZ 15 Nov 1907), cover, p. [204]-227. – Id. 21(3-4): [204]-227. 1906.
*15-16*: "1907", but prob. 1908 (AbZ 15 Dec 1908; Nat. Nov. Mar (Jun)(2) 1909), cover, p. [81]-123. – Id. 22(2): 81-123. 1907. [1908].

*17*: 1909. – Id. 23: 213-236. 1909.
*18*: 1910 (AbZ 15 Jan 1911; Nat. Nov. Nov(2) 1911), p. [269]-292. – Id. 24(3-4): 269-292. 1910.
*19*: 1911 (AbZ 30 Jun 1911; Nat. Nov. Dec(2) 1911), p. [223]-252. – Id. 25(1-2): [223]-252. 1911.
*20*: 1912 (AbZ 30 Nov 1912; Nat. Nov. Nov(2) 1912), cover, p. [155]-182. – Id. 26: [155]-182. 1912.
*21*: 1913 (AbZ 31 Oct 1913; ÖbZ Sep 1913), cover, p. [253]-280. – Id. 27: 253-280. 1913.
*22*: 1914 (Bot. Centralbl. 9 Mar 1915; Nat. Nov. Jan 1915). – Id. 28: 121-149. 1914.
*23*: 1915 (Bot Centralbl. 23 Mai 1916; Nat. Nov. Aug 1916). – Id. 29: 451-481. 1915.
*24*: 1916 (AbZ 6 Mai 1917), cover, p. [197]-205. – Id. 30: [197]-225. 1916.
*25-26*: 1922-1933 (ÖbZ 1 Dec 1923). Nat. Nov. Sep 1921 and ÖbZ 1 Dec 1921 cite the publication of part of Cent. 25, *Algae*, decas 36; id. 1 Mai 1923 lists *Algae* decas 37-38, nos. 2531-2550. 1922.
*Copies*: FH, MICH, NY, Stevenson.
*Collectors*: see lists given on the first page of each of the *Schedae*.
*Continuation*: Cent. 27-32 by C. Keissler, 33-34, 36-45, by F. Petrak, K. Rechinger, O. Szatala and J. Baumgärtner.
*Ref.*: see TL-2/1: 160.
Sayre, G., Mem. New York bot. Gard. 19(1): 31-32. 1969.

**18.496.** *Zur Flechtenflora des Pressburger Comitates* ... Pressburg [Pozsony, Bratislava] (Druck von Carl Angermayer) 1894. Oct.
*[1]*: 1894 (Bot. Centralbl. 23 Jan 1895), cover-t.p., p. [19]-84. – Reprinted and to be cited from Verh. Heil- Naturk. Pressburg ser. 2. 8: [19]-73, 273-284. 1894.
*2*: 1899 (G copy rd. 3 Oct 1899), cover, p. [1]-14. – Id. 10: 16-29. 1899. – Pozsony-Pressburg (Wigand F.K. Könyvnyomdája).
*Copies*: G, MICH.

**18.497.** *Lobeliaceae brasilienses* e collectionibus imprimis Dr. A. Glaziou ... Særtryk af Vidensk. Medd. fra den naturh. Foren. i Kφbenhavn 1895. Oct.
*Coll.*: Auguste [François Marie] Glaziou (1828-1906), TL-2/1: 950.
*Publ.*: 1895 (Bot. Centralbl. 2 Oct 1895), p. [67]-71. *Copy*: B. – Reprinted and to be cited from Vid. medd. naturh. Foren. Kφbenhavn 17: [67]-71. 1895.

**18.498.** *Materialien zur Flechtenflora Bosniens* und der Hercegovina ... Wien (in Commisson bei Carl Gerold's Sohn ...) 1895. Qu.
*Publ.*: 1895 (Nat. Nov. Oct(2) 1895; Bot. Centralbl. 18 Dec 1895; Bot. Zeit. 16 Dec 1895), p. [1]-20 (also [i, recto of 596]-614). *Copies*: G, H, MICH. – Reprinted and to be cited from Wiss. Mitt. Bosnien Hercegovina 3: [596]-614. 1895.

**18.499.** *Lichenes Mooreani* ... Wien (Alfred Hölder ...) 1896. Oct.
*Collector*: Charles Moore (1820-1905), see TL-2/3: 567-568.
*Publ.*: 1896 (BSbF séance 27 Nov 1896; Bot. Zeit. 16 Dec 1896), cover-t.p. [h.t. recto of 188], [188]-196. *Copies*: MICH, NY. – Reprinted and to be cited from Ann. k.k. naturh. Hofmus. 11(2): [188]-196. 1896.

**18.500.** *Lichenes albanici* a cl. J. Dörfler anno 1893 lecti ... Sonderabdruck aus Hedwigia ... 1897. Oct.
*Collector*: Ignaz Dörfler (1866-1950).
*Publ.*: 15 Feb 1897, p. [(1)]-(4). *Copy*: G. – Reprinted and to be cited from Hedwigia 36(1): (1)-(4). 1897.
*Note*: For detailed biographical data on Ignaz Dörfler see H.W. Lack and C.-O. von Sydow, Willdenowia 13(2): 398-403. 1983 (b. 16 Jun 1866, Wien; d. 28 Aug 1950, Wien; portr., handwriting; account of Dörfler's correspondence, now kept at UPS-UB).

**18.501.** *Revisio Lobeliacearum boliviensium* hucusque cognitarum ... Reprinted from the Bulletin of the Torrey Botanical Club ... 1897. Oct.

*Publ.*: 29 Aug 1897, cover-t.p., p. [371]-388. *Copies*: G, HH, NY. – Reprinted and to be cited from Bull. Torrey bot. Club 24(8): [371]-388. 1897.

**18.502.** *Ueber Gattungsmerkmale bei den Flechten* ... [Verh. zool.-bot. Ges. Wien 1897]. Oct.
*Publ.*: 1897 (read 25 Jun 1897; reprint rd. G 2 Dec 1897), p. [1]-2. *Copy*: G. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 47: 352. 1897.

**18.503.** *Plantae novae herbarii vindobonensis* ... Wien (Alfred Hölder ...) 1897. Oct.
*Publ.*: 1897 (Nat. Nov. Mar(1) 1898), cover-t.p., p. [103]-104. *Copies*: B, G. – Reprinted and to be cited from Ann. k.k. naturh. Hofmus. 12(2): [103]-104. 1897.

**18.504.** *Ueber zwei neue Flechtengattungen* ... [Aus den Verhandlungen der k.k. zoologischen-botanischen Gesellschaft in Wien ... besonders abgedruckt ... 1898]. Oct.
*Publ.*: 1898 (read 22 Apr 1898; copy G rd. 13 Sep 1898), p. [1]-2. *Copies*: B, G. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 48: 289-290. 1898. – Zahlbruckner's text limited to p. 289; p. 290 has an abstract of a paper by F. Krasser.

**18.505.** *Neue und seltene Flechten aus Istrien* ... Separat-Abdruck a.d. "Oesterr. botan. Zeitschrift" ... 1899. Oct.
*Publ.*: 1-17 Jul 1899 (July issue journal, reprint rd. at G 18 Jul 1899), p. [1]-3. *Copy*: G. – Reprinted and to be cited from Österr. bot. Z. 49: 245-248. 1899.

**18.506.** *Flechten.* Bericht der Commission für die Flora von Deutschland 1892-95. [Sonderabdruck aus den Berichten der Deutschen botanischen Gesellschaft ... 1899 [1900]. Oct.
*1892-95*: 3 Nov 1899, p. [i, recto of (148)], (148)-(158). – Reprinted and to be cited from Ber. deut. bot. Ges. 17 (Gen.-Vers. Heft 1): (148)-(158). 1900.
*1896-1898*: 2 Dec 1900, p. [i, recto of (132)], [(132)]-142. – Id. 18 (Gen.-Vers. Heft 1): [(132)]-(142). 1900.
*1899-1903*: 6 Mai 1903, p. [i, recto of (264)], (264)-276. – Id. 20 (Gen.-Vers. Heft 2): 6 Mai 1903): 264-276. 1903.
*Copy*: B.

**18.507.** *Plantae Pentherianae.* Aufzählung der von Dr. A. Penther und in seinem Auftrage von P. Krook in Südafrika gesammelten Pflanzen ... Wien (Alfred Hölder, ...) 1900 [-1905]. Oct.
*Collectors*: Arnold Penther (1865-1931), see IH 2: 665 and P. Krook (*fl.* 1895).
*1*: 1900 (Nat. Nov. Aug(1) 1900; Bot. Centralbl. 28 Nov 1900), cover-t.p., p. [1]-73, *pl. 1-4.* – Reprinted and to be cited from Ann. nat. hist. Hofmus. 15(1): [1]-73, *pl. 1-4.* 1900. – *Collaborators*: F. Buchenau, K. Fritsch, E. Gilg, A. v. Hayek, P. Hennings, K. v. Keissler, F. Krasser, G. Lindau, M.T. Masters, F.A. Pax, L. Radlkofer, K. Rechinger, R. Schlechter, Ph. van Tieghem.
*2*: 1903 (Nat. Nov. Jun(2) 1904), cover-t.p., p. [i, recto of 376], [376]-408, *pl. 4-6.* – Id. 18: [376]-408, *pl. 4-6.* – 1903. *Collaborators*: E. Hackel, K. v. Keissler, K. Rechinger, H. Schinz, R. Schlechter.
*3*: 1905 (Nat. Nov. Jun(1) 1906), cover-t.p., p. [1]-58, *pl. 1-2.* – Id. 20(1): [1]-58, *pl. 1-2.* – *Collaborators*: M. Gürke, K. v. Keissler, Fr. Kränzlin, K. Rechinger, R. Schlechter.
*4*: 1910 (Nat. Nov. Nov(2) 1911), cover-t.p., p. [293]-326, *pl. 6-7.* – Id. 24: [293]-326, *pl. 6-7.* – *Collaborators*: O. Hoffmann, R. Muschler, F. Ostermeyer.
*Copies*: B, FH, G, M, MO, US.

**18.508.** *Zwei neue Wahlenbergien* ... [Separat-Abdruck aus den "Verhandlungen" der k.k. zoologisch-botanischen Gesellschaft in Wien ... 1900. Oct.
*Publ.*: 1900, cover, p. 517-518. *Copy*: B. – Reprinted and to be cited from Verh. k.k. zool.-bot. Ges. Wien 50: 517-518. 1900.

**18.509.** *Die Entwicklung der Morphologie, Entwicklungsgeschichte und Systematik der Kryptogamen* in Österreich von 1850 bis 1900 ... Wien (Alfred Hölder ...) 1901. Qu.
*Co-authors*: for Algae and Pteridophytes: Fridolin Krasser (1863-1922), TL-2/2: 663-664;

for Musci: Karl von Keissler (1872-1965), TL-2/2: 513-514. – Fungi and Lichens by Zahlbruckner.

*Publ.*: 1901 (ÖbZ for Mai-Jun 1901), p. [i-ii], [1]-40, portr. Hauck, Juratzka, Zukal, W. Voss. *Copies*: B, FH, MICH. – Reprinted and to be cited from B. v. Wattenwyl et al., *Botanik und Zoologie in Österreich* in den Jahren 1850 bis 1900, Festschrift k.k. zool.-bot. Ges. Wien 1901, p. 155-194.

**18.510.** *Vorarbeiten zu einer Flechtenflora Dalmatiens* ... Wien (Selbstverlag des Verfassers ...) 1901. Oct.

[*1*]: Aug and Sep 1901, p. [1]-27. – Reprinted and to be cited from Österr. bot. Z. 51(8): 273-285. Aug, 336-350. Sep 1901.

*2*: Apr 1903, p. [1]-30. – Id. 53(4): 147-153. Apr, 177-185. Mai, 239-246. Jun, 285-289. Jul, 332-336. Aug 1903.

*3*: Jan, Mar 1905, p. [1]-20. – Id. 55: [1]-6. Jan, 55-69. Mar 1905.

*4*: Jan, Feb 1907, p. [1]-20. – Id. 57: 19-30, Jan, 65-73. Feb 1907.

*5*: Oct 1907, p. [1]-12. – Id. 57: [389]-400.

*6*: Aug 1909, p. [1]-60. – Id. 59: 315-321. Aug, 349-354. Sep, 398-407. Oct, 439-444. Nov, 488-503. Dec 1909, 60: 13-22. Jan, 71-81. Mar 1910.

7(*1*): Jan-Apr 1919, p. [1]-18. – Id. 68: 60-77. Jan-Apr 1919.

7(*2*): Mai-Jul 1919, p. [148]-165. – Id. 68: [148]-165. 1919.

7(*3*): Aug-Oct 1919, p. [237]-253. – Id. 68: [237]-253. 1919.

7(*4*): Nov-Dec 1919, p. [297]-326. – Id. 68: [297]-326. 1919.

*Copies*: B, FH, H, MICH.

**18.511.** *Lichenes rariores exsiccati* ... Wien, 1902-1936.

*Publ.*: a series of *labels* (nos. 1-267) and *schedae* accompanying the *Lichenes rariores exsiccati* nos. 1-20 (Mai 1902), 21-40 (Jun 1903), 41-60 (Jul 1904), 61-80 (Mai 1906), 81-100 (Mai 1907), 101-120 (Feb 1909), 121-140 (Jun 1910), 141-165 (Mai 1911), 166-187 (Apr 1914), 188-207 (Nov 1920), 208-240 (Nov 1922), 241-267 (1927), 268-288 (Feb 1931) and with K. Redinger: 289-311 (1933), 312-338 (Feb 1934), 339-310 (Jan 1935), 361-385 (Mar 1936). – 20 sets published.

**18.512.** *Diagnosen neuer und ungenügend beschriebener kalifornischer Flechten* ... Beihefte Bot. Centralbl. ... 1902. Oct.

*Publ.*: late 1902 (reprint rd. G 5 Dec 1902), cover, p. [149]-163. *Copy*: G. – Reprinted and to be cited from Beih. Bot. Centralbl. 13(2): [149]-163. 1902.

**18.513.** *Studien über brasilianische Flechten* ... Aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1902. Oct.

*Publ.*: Mai 1902 or shortly afterwards (read 17 Apr 1902; Nat. Nov. Mar(2) 1903), cover-t.p., p. [1]-76, *pl. 1-2*. *Copies*: B, H; IDC 513. – Reprinted and to be cited from S.B. Akad. Wiss. Wien, mat.-nat. Cl. 111(1): [357]-362, *pl. 1-2* for Apr 1902.

**18.514.** *Über die systematische Gruppierung der pyrenokarpen Flechten* ... [Separat-Abdruck aus den "Verhandlungen" der k.k. zoologisch-botanischen Gesellschaft in Wien ... 1903]. Oct.

*Publ.*: 1903 (read 28 Nov 1892; vol. for 1903), cover, p. [81]-84. *Copy*: B. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 53: 81-82. 1903.

**18.515.** *Neue Flechten* ... Separat-Abdruck aus "Annales mycologici" ... 1903. Oct.

*1*: 10 Aug 1903, p. [1]-8. – Reprinted and to be cited from Ann. mycol. 1(4): 354-361. 1903.

*2*: 31 Mai 1904, p. [267]-270. – Id. 2(3): [267]-270. 1904.

*3*: 15 Jan 1907, p. [486]-490. – Id. 4: [486]-490. 1907.

*4*: 13 Mai 1908, p. [129]-134. – Id. 6(2): [129]-134. 1908.

*5*: 10 Nov 1909, p. [472]-478. – Id. 7(5): [472]-478. 1909.

*6*: 10 Aug 1912, cover-t.p., p. [359]-384. – Id. 10(2): [359]-384. 1912.

*7*: 30 Jun 1914, cover-t.p., p. [335]-345. – Id. 12(3): [335]-345. 1914.

*8*: 20 Feb 1916, cover-t.p., p. [45]-61. – Id. 14(1-2): [45]-61. 1916.

*9*: 31 Oct 1921, p. [224]-242. – Id. 19(3-4): [224]-242. 1921.
*10*: 20 Mai 1931, p. [75]-86. – Id. 29(1-2): [75]-86. 1931.
*11*: 1932, p. [427]-441. – Id. 30(5-6): [427]-441. 1932.
*12*: 1936, p. 159-179. – Id. 34: 159-179. 1936.
*Copies*: B, H.

**18.516.** *Lichenes* a cl. Damazio *in montibus Serra do Ouro Preto Brasiliae lecti* in herb. Barbey-Boissier osservati ... [Bull. Herb. Boissier 1904-1905]. Oct.
*Collector*: Leonidas-Bothelo Damazio (1854-1922), Brazilian botanist in Ouro Preto, Minas Geraes, Brazil, collections in BAS (pter.), G, W (lich.).
[*1*]: 31 Jan 1904, p. [1]-3. – Reprinted and to be cited from Bull. Herb. Boiss. ser. 2. 4: 134-136. 1904.
*2*: 31 Mai 1905, p. [1]-5. – Id. ser. 2. 5: 539-543. 1905.
*Copy*: U.

**18.517.** *Neue Beiträge zur Flechtenflora des Pozsonyer Komitates* ... Sonder-Abdruck a.d. Verhandlungen des Vereines für Natur und Heilkunde zu Presburg ... 1904 [1905]. Oct.
*Publ.*: 1905 (volume for 1904), p. [1]-15. *Copies*: FH, H. – Reprinted and to be cited from Verh. Ver. nat.-Heilk. Presburg 25: 119-131. 1904.

**18.518.** *Verzeichnis der gelegentlich einer Reise im Jahre 1897* von Prof. *K. Loitlesberger in den rumänischen Karpathen gesammelten Lichenen* ... [Separat-Abdruck aus dem xix. Bande der Annalen des k.k. Naturhistorischen Hofmuseums ... Wien 1904. Oct.
*Publ.*: 1904 (Nat. Nov. Sep(1, 2) 1904), cover, p. [1]-8. *Copy*: FH. – Reprinted and to be cited from Ann. naturh. Hofmus. Wien 19(1): 1-8. 1904.

**18.519.** Congrès international de botanique Vienne (Autriche) 1905. *Bericht des Organisationskomitees für den internationalen botanischen Kongress, Wien 1905*, über seine Anteilnahme an der Vorbereitung der Nomenklaturverhandlungen. (Zugleich Antwort auf den Protest von Dr. Otto Kuntze ... [Wien 1905]. Qu. (*Ber. Organ.-Kom. int. bot. Kongress*).
*Co-authors*: Richard Wettstein (1863-1931), Julius Wiesner (1838-1916).
*Publ.*: 6 Jun 1905 (see p. [vi]), p. [i-vi]. *Copy*: B. – The reply to O. Kuntze, on p. [ii-vi] was written by Richard von Wettstein. For the printed version of this *Protest* by Kuntze see TL-2/4034.

**18.520.** *Ein kleiner Beitrag zur Geschichte der Botanik in Ungarn* ... Separatabdruck aus den "Ungarischen botan. Blätter ... 1906. Oct.
*Publ.*: early 1906, p. [1]-4. *Copy*: B. – Reprinted and to be cited from Magy. bot. Lap. 5(1): 11-14. 1906.

**18.521.** *Beitrag zur Flechtenflora Kretas* ... aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien ... 1906. Oct.
*Publ.*: Apr 1906, p. [1]-21. *Copies*: B, FH, G, MICH. – Reprinted and to be cited from S.B. k. Akad. Wiss. Wien. mat.-nat. Kl. 115(1): [503]-523. 1906.

**18.522.** *Lindauopsis*, ein neuer Flechtenparasit ... Sonderabdruck aus den Berichten der Deutschen botanischen Gesellschaft ... 1906. Oct.
*Publ.*: 25 Apr 1906, p. [141]-146, *pl. 10*. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 24(3): 141-146. 1906.

**18.523.** *Deux Lobelia nouveaux* .... Extrait du Bulletin de l'Herbier Boissier, ... 1907. Oct.
*Publ.*: 31 Mai 1907, p. [47]-50. *Copy*: B. – Reprinted and to be cited from Bull. Herb. Boissier ser. 2. 7(6): 445-448. 1907.

**18.524.** Botanische und zoologische Ergebnisse einer wissenschaftlichen Forschungsreise nach den Samoainseln, dem Neuguinea-Archipel und den Salomonsinseln von März bis Dezember 1905 iv. *Die Flechten der Samoa-Inseln* ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckrei ...) 1907. Qu.
*Publ.*: 31 Oct 1907 (Denkschr. vol. 81 publ. 31 Oct 1907, mss. submitted 11 Jul 1907 fide

Anzeiger k. Akad. Wiss. 1907; see also TL-2/8726), p. [i], [1]-66, *pl. 2. Copies*: G, H, NY. – Reprinted and to be cited from Denkschr. mat.-nat. Kl. k. Akad. Wiss. Wien 81(1): 26-91, *pl. 2.* 1907.

**18.525.** *Eine bemerkenswerte Parmelia der ungarischen Flechtenflora* .... Separatabdruck aus den "Ungarischen botan. Blätter ..." 1907. Oct.
*Publ.*: 1907, p. [1]-3. *Copy*: B. – Reprinted and to be cited from Magy. bot. lap. 6(1): 11-13. 1907.

**18.526.** *Beiträge zur Flechtenflora Brasiliens* ... Extrait du Bulletin de l'Herbier Boissier ... 1908. Oct.
*Publ.*: 30 Jun 1908, p. [1]-10. *Copy*: B, H. – Reprinted and to be cited from Bull. Herb. Boiss. ser. 2. 8(7): [459]-468. 1908.

**18.527.** *Lichenes amazonici* Materialen zu einer Flechtenflora Brasiliens ... Para (Brazil) (Estabelecimento graphico C. Wiegandt) 1908. Oct.
*Publ.*: Oct 1908 (date on cover-t.p.), cover-t.p., p. [1]-4. *Copies*: BR, FH, G. – Extracto do Boletin do Museo Goeldi 5: 258-261. 1908.

**18.528.** Ergebnisse der botanischen Expedition der Kaiserlichen Akademie der Wissenschaften nach Südbrasilien 1901. II. Band Thallophyta und Bryophyta herausgegeben von ... V. Schiffner. *Lichenes* (Flechten) bearbeitet von Dr. Alexander Zahlbruckner ... Wien (aus der Kaiserlich-Königlichen Hof- und Staatsdruckerei ...) 1909. Qu.
*Publ.*: Nov-Dec 1909 (mss. submitted 11 Mar 1907; copy G by rd. 10 Jan 1910), p. [i], [1]-125, *pl. 1-5* with text. *Copies*: G, H, NY, PH. – Reprinted and to be cited from Denkschr. mat.-nat. Kl. k. Akad. Wiss. 83: [87]-[211]. 1909.

**18.529.** *Transbaikalische Lichenes* ... St. Petersburg 1911. Oct.
*Publ.*: Jan-Jun 1911 (date on cover-t.p.; rd. 1 Jul 1911), p. [i-ii, cover], [73]-95. *Copies*: B,G, H, MICH. – Reprinted and to be cited from Trav. Sous-Sect. Troïtzk.-Kiahta, Soc. Imp. Russe Geogr. 12(1-2): 73-95 [for 1909]. 1911.

**18.530.** *Neue Arten und Formen der Lobelioideen* I. ... Sonderabdruck aus Fedde, Repertorium ... 1915. Oct.
*1*: 1 Apr 1915 (in journal; G rd. 1 Nov 1915; Nat. Nov. Jan 1916), p. [528]-537. – Reprinted and to be cited from Repert. sp. nov. 13: 528-537. 1915.
*2*: 15 Oct 1915 (in journal; G rd. 1 Nov 1915), p. [133]-142. – Id. 14: 133-142. 1915.
*3*: 31 Dec 1915 (in journal), p. [i, recto of 180] 180-185. – Id. 14: 180-185. 1915.
*Copies*: B, G.

**18.531.** *Botanische Ergebnisse der Schwedischen Expedition nach Patagonien* ... und dem Feuerlande 1907-1909. vi. Die *Flechten* ... Stockholm (Almqvist & Wiksells Boktryckeri-A.B.) 1917. Oct. (*Bot. Erg. Exped. Patag., Flechten*).
*Publ.*: shortly after 10 Jul 1917 (date of printing on p. 62), p. [1]-62. *Copies*: BR, G, H, M, US. – issued as K. sv. Vet.-Akad. handl. 57(6). 1917.

**18.532.** *Catalogus lichenum universalis* ... Leipzig (Verlag von Gebrüder Borntraeger) 1921-1940, 10 vols. Oct. (*Cat. lich. univ.*).
*Publ.*: 1922-1940, 10 vols., issued in parts. *Copies*: BR, FH, MO, U.
*1(1)*: 23 Mai 1921, p. [1]-160.
*1(2)*: 13 Jun 1921, p. 161-320.
*1(3)*: 2 Jan 1922, p. 321-480.
*1(4)* 30 Mai 1922, p. 481-696, p. [i-v, preface matter].
*2(1)*: Nov 1922, p. [1]-160.
*2(2)*: Mar 1923, p. 161-320.
*2(3)*: Jul 1923, p. 321-480.
*2(4)*: Nov 1923, p. 481-640.
*2(5)*: Mai 1924, p. 641-815, [i-ii, id.].
*3(1)*: Sep 1924, p. [1]-160.
*3(2)*: Jan 1925, p. 161-320.

*3(3)*: Mai 1925, p. 321-480.
*3(4)*: Aug 1925, p. 481-640.
*3(5)*: Oct 1925, p. 641-899, [i-ii, id.].
*4(1)*: Feb 1926, p. [1]-160.
*4(2)*: Jun 1926, p. 161-320.
*4(3)*: Nov 1926, p. 321-480.
*4(4)*: Feb 1927, p. 481-640.
*4(5)*: Mai 1927, p. 641-754, [i-ii, id.].
*5(1)*: Sep 1927, p. [1]-160.
*5(2)*: Jan 1928, p. 161-320.
*5(3)*: Apr 1928, p. 321-480.
*5(4)*: Oct 1928, p. 481-640.
*5(5)*: Dec 1928, p. 641-816, [i-ii, id.].
*6(1)*: Jun 1929, p. 1-160.
*6(2)*: Sep 1929, p. 161-320.
*6(3)*: Jan 1930, p. 321-480.
*6(4)*: Mar 1930, p. 481-618, [i-ii, id.].
*7(1)*: Jul 1930, p. [1]-160.
*7(2)*: Jan 1931, p. 161-320.
*7(3)*: Mar 1931, p. 321-480.
*7(4)*: Jun 1931, p. 481-640.
*7(5)*: Sep 1931, p. 641-784, [i-ii].
*8(1)*: Dec 1931, p. [1]-160.
*8(2)*: Mar 1932, p. 161-320.
*8(3)*: Mai 1932, p. 321-480.
*8(4)*: Aug 1932, p. 481-612, [i-ii].
*9(1)*: Jun 1933, p. [1]-160.
*9(2)*: Oct 1933, p. 161-320.
*9(3)*: Feb 1934, p. 321-480.
*9(4)*: Jul 1934, p. 481-606.
*10(1)*: Aug 1938, p. [1]-160.
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*Publ.*: 12-30 Mai 1923, p. [1]-9. *Copy*: B. – Reprinted and to be cited from Anz. Akad. Wiss. Wien 60(12): 79-87. 1923.

**18.534.** *Die Flechten der Juan Fernandez-Inseln* ... [Extract from the Natural History of Juan Fernandez and Easter Island vol. 2] 1924. Oct.
*Publ.*: shortly after 14 Mar 1924, cover, p. [315]-408, *pl. 24-25*. *Copies*: BR, H, MICH, Stevenson. – Reprinted and to be cited from C. Skottsberg, Nat. Hist. Juan Fernandez Easter Isl. 2(Bot.), 3(11): [315]-408, *pl. 24-25*. 1924, see TL-2/12.073.
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*Publ.*: shortly after 7 Dec 1925 (date of printing on p. 26), cover, p. [1]-26. *Copies*: B, FH, MICH, Stevenson. – Reprinted and to be cited from Medd. Göteb. Bot. Trädgård 2: [1]-26. 1925.

**18.536.** *Spiegazione delle tavole lichenologiche* inedite *di* Abramo *Massalongo* ... Verona (La Tipografica Veronese) 1926. Oct. (*Spieg. tav. lich. Massalongo*).
*Publ.*: 1926, p. [i-iii], *pl. 1-9* (col. liths. Massalongo) with text. *Copy*: Stevenson.

**18.537.** *Additamenta ad Lichenographiam Japoniae* ...Tokyo 1927. Oct.
*Publ.*: 1927, cover-t.p., p. [313]-364, *pl. 11-12*. *Copies*: FH, H, Stevenson. – Reprinted and to be cited from Bot. Mag., Tokyo 41: 313-364, *pl. 11-12*. 1927.

**18.538.** *The epiphyllous lichens of Kitchener Park*, Feilding, New Zealand ... Extract from the Transactions of the N.Z. Institute ... 1928. Oct.
*Co-authors*: Karl Keissler (b. 1872), Harry Howard Allan (1882-1957).
*Publ.*: 1928, cover-t.p., p. [304]-314. *Copy*: G. – Reprinted and to be cited from Trans. New Zealand Inst. 59: 304-314. 1928.

**18.539.** *Neue und ungenügend beschriebene javanische Flechten* ... Paris (Laboratoire de Cryptogamie ...) 1928. Oct.
*Publ.*: Jul 1928, p. [i, iii, cover], [109]-212. *Copies*: B, G, H, MICH, Stevenson. – Reprinted and to be cited from Ann. Crypt. exot. 1(2): [109]-212. 1928.

**18.540.** *Die Gattung Lecanora* ... Oslo [Kristiania] (A.W. Brøggers Boktrykkeri ...) 1928. Oct. (*Lecanora*).
*Publ.*: 15-31 Dec 1928 (printed 15 Dec 1928), p. [1]-32, *pl. 1-4* with text. *Copies*: H, MICH, Stevenson. – Issued as Rep. Sci. Res. Norw., Exp. Nov. Zemlya 1921, no. 44.

**18.541.** *Lichenes in Africa lecti* ... Laboratoire de Cryptogamie ... Paris 1932. Oct.
*Publ.*: Dec 1932, cover-t.p., [title on cover "Lichenes in Africana lecti"], p. [198]-275. *Copies*: G, H, U. – Reprinted and to be cited from Ann. crypt. exot. 5(3-4): 198-275. 1932.

**18.542.** *Flechten der Insel Formosa* Sonderabdruck aus Fedde, Repertorium ... 1933. Oct.
[*1*]: 31 Jan 1933 (in journal), p. [i, recto of 194], [194]-224. *Copy*: Stevenson. – Reprinted and to be cited from Repert. sp. nov. 31: 194-224. 1933.
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**18.543.** *Die von der deutschen limnologischen Sunda-Expedition gesammelten Flechten* ... Sonder-Abdruck aus dem Archiv für Hydrobiologie ... 1934.
*Publ.*: 1934, p. [i, recto of 730], [730]-738. *Copies*: B, Stevenson. – Reprinted and to be cited from Arch. Hydrobiol. Supp.-Bd. 12: 730-738. 1934.

**18.544.** *Les lichens des hautes altitudes au Ruwenzori* ... Bruxelles (Marcel Hayez, ...) 1936. Oct.
*Co-author*: Lucien Hauman (1880-1965), see TL-2/2: 101-102.
*Publ.*: 1936 (mss. submitted 20 Jun 1936), p. [1]-31, *pl. 1-5*. *Copies*: B, BR, FH, G, MO, NY, Peterson, Stevenson. – Reprinted and to be cited from Mém. Inst. Col. Belge, Sci. nat. med. 5(2). 1936.

**18.545.** *Flechtenflora von Java* ... Fedde, Rep. Beih. [1943]. Oct.
*Editor*: Fritz Mattick (b. 1901) provided a special biographical sketch of Zahlbruckner.
*1*: 1943, p. [1]-80, Repert. sp. nov., Beih. 127: 1-80. 1943.
*2*: 24 Feb 1956, cover-t.p., p. [81]-176. – Reprinted and to be cited from Willdenowia 1(3): 433-528. 1956.
*Copies*: FH, U.

**Zahlbruckner, Johann [Baptist]** (1782-1851), Austrian botanist and mineralogist; in the service of Johann of Austria from 1808, from 1818 as private secretary, accompanying the archduke on his many travels. (*J. Zahlbr.*).

HERBARIUM and TYPES: W; further material at GJO, PRC. – *Letter* to Steudel at UPS-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 536 (b. 15 Feb 1782, d. 2 Apr 1851); BM 5: 2379; CSP 6: 481; Futak-Domin p. 665; Hegi 6(1): 377; Hortus 3: 1207; Klásterský p. 206; PR 10434; WU 59: 87-88; Zander ed. 10, p. 735, ed. 11, p. 838.

BIOFILE: Anon., Flora 2(1): 29-32. 1819, 14(1): 413. 1831, 15(2): 413. 1832, 16(2): 659-661. 1833, 17(1) (Lit.-Ber. 8): 125-128. 1834, 34(1): 336. 1851 (d.); Österr. bot. W. 1: 124, 137-139. 1851 (d., obit.).
Neilreich, A., Verh. zool.-bot. Ver. Wien 5: 40-41. 1855.
Schiner, J.R., Verh. zool.-bot. Ver. Wien 1: 152-158. 1852 (obit.).

EPONYMY: *Zahlbrucknera* H.G.L. Reichenbach (1832).

**18.546.** *Darstellungen der pflanzengeographischen Verhältnisse* des Erzherzogthums *Oesterreichs* unter der Enns ... Wien 1832. Oct.
*Publ.*: 1832 (Flora rd. by 16 Oct 1833), Beitr. Länderk. Oesterr. u.d. Enns 1: 205-268. 1831.

**Zahn, Karl Hermann** (1865-1940), German (Baden) botanist (specialist on Hieracium); studied at a teachers college in Karlsruhe 1884-1885; from 1891 high school teacher in Heidelberg, Freiburg and Donaueschingen; from 1923 professor of geometry, chemistry and building material technology at the Karlsruhe Technical College; from 1931 in retirement, from 1934 in Haigerloch (Hohenzollern). (*Zahn*).

HERBARIUM and TYPES: B (main Hieracium herbarium acquired 1941, destroyed 1943; manuscript, drawings and a number of further original herbarium specimens of Hieracium acquired 1970, extant). General herbarium acquired by Philippe de Palézieux, now at G.
*Hieraciotheca europaea* cent. 1-9, 1906-1914. – Sets at B (mainly destr.), F, G, GB, K, LAU, MANCH, MPU, W, WRSL, Z. – For *Schedae* see below (1906-1914). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 65, 12(2): 123; Barnhart 3: 536 (b. 3 Dec 1865, d. 8 Feb 1940); BFM no. 6; Biol.-Dokum. 19: 10251, 10253; BJI 2: 196; BM 5: 2379, 8: 1468; CSP 19: 757; DTS 6(4): 210; Futak-Domin p. 664-665; MW p. 548; Rehder 2: 102; TL-2/200, 1713, 2571, 14.793, see J. Murr.

BIOFILE: Anon., Hedwigia 75: (168). 1936; Österr. bot. Z. 85(1): 80. 1936 (hon. memb. Bot. Ver. Prov. Brandenburg); Rhein-Neckar Zeitung 3 Dec 1980 ("sein Name war in aller Welt bekannt"; 115 yrs anniv. of birth, family portr., biogr. sketch).
Kneucker, A., Mitt. Bad. Landesver. Naturk. Natursch. Freiburg i. Br. ser. 2. 3(15-16): 223-227. 1936 (tribute 70th birthday; biogr. sketch, portr., list publ.); Ber. bayer. bot. Ges. 25: 158-161. 1941 (portr., biogr. sketch, list publ.).
Lack, H.W., Willdenowia 8: 439-442. 1978 (ills., mss., herb. specimens at B, extant).
Palézieux, Ph. de, Bull. Soc. bot. Genève 32: 192-194. 1940 (obit.).
Sleumer, H., Ber. Bayer. bot. Ges. 25: 161-163. 1941 (list publ., 86 nos.).
Verdoorn, F., ed., Chron. bot. 5: 196, 197. 1939, 6: 141. 1941.

COMPOSITE WORKS: (1) *Berichtigungen und Ergänzungen zur 16. Auflage von* Dr. Aug. *Garcke's Flora von Deutschland*, Deut. bot. Monatschr. 8: 112-115. 1890. (See TL-2/1949).
(2) *Hieracium, in* A. Engler, Das *Pflanzenreich*, see below 18.545.
(3) *Hieracium, in* W.D.J. Koch, *Syn. deut. schweiz. Fl.* ed. 3 (ed. E. Hallier, R. Wohlfarth) 2: 1697-1910. Sep 1900, 1911-1931. Apr 1902 (TL-2/3804). – For review see Kneucker, Allg. bot. Z. 7: 214-217. 15 Dec 1901; Vollmann, Bot. Monatschr. 19: 164-166, 185-191. 1901.
(4) *Hieracium, in* H.G.L. Reichenbach, *Icon. fl. germ. helv.* 19(2). 1904-1911, see TL-2/8885 (with J. Murr and J. Poell). "*Hieracia critica* vel minus cognita *florae germanicae et helveticae*".
(5) *Hieracium, in* H. Schinz & R. Keller, *Fl. schweiz.* ed. 2. 2: 231-347. Aug-Sep 1905 and ed. 3, 2. 136 p. 1914. ((TL-2/10.714).
(6) *Hieracium, in* G. Hegi, *Ill. Fl. Mitteleur.* 6(2): 1182-1351. 1929. (TL-2/2571).

(7) *Hieracium, in* Ascherson and Graebner, *Syn. mitteleur. Fl.* 12(1): 1-492. 1922-1930, 12(2): 1-790. 1930-1935, 12(3): 1-708. 1936-1938. Index 12(1-3): 1-200. 5 Jan 1939. (TL-2/200).
(8) Identifications in H. Schack, *Hieracia Thuringiae* 1930. TL-2/10.461.
(9) *Salicaceae, in* W.D.J. Koch, *Syn. deut. schweiz. Fl.* ed. 3. 3: 2298-2385. 1907 (anonymous); Sleumer(1941) states that the *Polygonaceae* in that flora were almost certainly by Zahn.
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(11) *Hieracium, in* A. Mayer, *Exkursionsflora der Universität Tübingen* 471-490. 1930. (TL-2/5743).
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**18.547.** *Flora der Baar* und der angrenzenden Landesteile ... Tübingen (Druck der H. Laupp'schen Druckerei) 1889. Oct. (*Fl. Baar*).
*Co-author* for Salix: "Dr. Schatz, prakt. Arzt in Geisingen". (J.A. Schatz, d. 1912).
*Publ.*: 1889 (Bot. Zeit. 30 Aug 1889), p. [i], [1]-174. *Copies*: HH, NY. – Issued in Schr. Ver. Gesch. Naturgesch. Baar 7: 1-174. 1889.
*Ref.*: Appel, F.C.L.O. (Coburg), Bot. Centralbl. Beih. 1(6): 449-450. 1891 (rev.).

**18.548.** *Die Hieracien der Schweiz* ... Auf Kosten der Gesellschaft und mit Subvention des Bundes gedruckt von Zürcher & Furrer in Zürich ... 1906. Qu. (*Hierac. Schweiz*).
*Publ.*: 1906, p. [1]-568. *Copies*: G, HH, M, NY. – Preprinted or reprinted from Neue Denkschr. allg. schweiz. Ges. gesammt. Naturw. 40(4): 163-728. 1906.

**18.549.** *Beiträge zur Kenntniss der Archieracien Ungarns* und der Balkanländer (Adatok magyarország és a balkánfélsziget Archieraciumjainak ismeretéhez) ... Budapest (Pallas Irodalmi ...) 1906. Oct.
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*Beitr. 2*: 1907, cover-t.p., p. [1]-18. *Copy*: M. – Ib. 6: 212-229. – Aug-Oct 1907.
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*Beitr. 6*: 1911, cover-t.p., p. [1]-54. *Copy*: M. – Magy. bot. Lap. 10: 121-174. 1911.
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*Beitr. 9*: 1932, cover-t.p., p. [1]-32. *Copy*: B. – Ib. 31: 1-32. 1932.

**18.550.** *Hieraciotheca Europae* edita e Carolo Hermanno Zahn. Schedae ad Centuriam I. Nr. 1-100. Karlsruhe (E typographia J.J. Reiff) 1906. Oct. (*Hieracioth. Eur.*).
*1* (nos. 1-100): Oct 1906 (G rd. 7 Nov 1906; AbZ 15 Dec 1906), p. [1]-30.
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**18.551.** *Hieracia orientalia herbarii Formánekiani* ... excerpta e Vaudasii libro "Reliquiae formánekianae" [1909]. Oct.
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**18.552.** *Die Ungarischen Hieracien* des Ungarischen National-Museums zu Budapest, zugleich v. Beitrag zur Kenntniss der Hieracien Ungarns und der Balkanländer ... Annales Musei nationalis hungarici 1910. Oct.
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*Facsimile ed.*: 1957, Neudruck ... Im Verlag von H.R. Engelmann (J. Cramer). Weinheim/Bergstr., in 2 vols. corresponding with the two *Abteilungen*, as original with new imprint. *Copy*: FAS.

**18.556.** *Hieracium nouveaux de Suisse et de France* ... Extrait du Bulletin de la Société botanique de Genève ... 1922 [i.e. 1923]. Oct.
*Senior author*: Henri Romieux (1857-1937), TL-2/4: 877.
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*Ser. 2*: 10 Apr 1926. – Id. ser. 2. 7: [165]-179. 1926.
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**18.558.** *Descriptiones Hieraciorum novorum* ex alpibus lemanibus ... Extrait de Candollea ... Genève ... 1924. Oct.
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**18.559.** *Hieracia helvetica nova* ... [Extrait du Bull. Soc. Murithienne ... 1921-1924]. Oct.
*Co-author*: Ernst Wilczek (1867-1948).
*Publ.*: 1924 (or 1925? AbZ 25 Mai 1926), p. [1]-16. *Copies*: B, M, NY. – Reprinted and to be cited from Bull. Soc. Murith. 42: 188-203. 1921-1924 (publ. 1925?).

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cited from Bull. Soc. bot. Genève ser. 2. 16: [144]-188. 1925. – Additions to the treatment of *Hieracium* in Engler's *Pflanzenreich.*

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**18.562.** *Hieracia nova* vel minus cognita *a* cl. Dr. *Pawłowski* in regionibus Tatrae magnae et occidentalis nec non in montibus Sarmaticis adjacentibus *lecta* ... Cracovie [Krakow] (Imprimerie de l'Université) 1929. Oct.
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**Zalessky** [Zalyesskii], **Mikhail [Dmitrievich]** (1877-1946), Russian palaeobotanist, born in Orel; studied at St. Petersburg University (grad. 1900); taught at the High School of Mining at Dniepropetrovsk, from 1918-1943 in Oral, employed by the Geological Committee of the U.S.S.R.; from 1943-1945 prisoner in Berlin; to Moscow 1945, to Leningrad 1946; Dr. geol. 1934. (*Zalessky*).

HERBARIUM and TYPES: Unknown.

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Prescott, G.W., Bibl. Desmidiac. univ. 572. 1984.

EPONYMY: *Zalesskioxylon* V.G. Lepehina et A.A. Jacenko-Hmelevskij (1966); *Zalesskya* R. Kidston et D.T. Gwynne-Vaughan (1908); *Zalesskyella* Tschirkova (1939). *Zalesskyoderma* E.F. Cirkova-Zalesskaja (1964).

**18.563.** *Sur quelques Sigillaires recueillies dans le terrain houiller du Donetz* ... St. Pétersbourg (Librairie Eggers et C-ie) 1902. Qu. (*Sigillaires Donetz*).
*Publ.*: 1902, cover, p. [i-iii], [1]-20, *pl. 1-4* with text. *Copy*: HH. – Mém. Comité géol. 17(3).

**18.564.** *Beiträge zur Kenntnis der fossilen Flora des Südkohlenreviers von Dombrowa* ... St.-Pétersbourg (Librairie Eggers et C-ie) 1907. Qu. (*Beitr. foss. Fl. Dombrowa*).
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**18.565.** *Études paléobotaniques* ... Recueil dédié à la mémoire de W.C. Williamson et de B. Renault. I^re^ partie ... St. Pétersbourg (Imprimerie C. Birkenfeld) 1911. Qu. (*Étud. paléobot.*).
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**18.567.** *Histoire naturelle du Charbon* ... Mémoires du Comité géologique, St. Pétersbourg] 1915. Qu. (*Hist. nat. Charbon*).

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**18.568.** *Flore paléozoique de la série d'Angara* ... Petrograd 1918. Qu. (*Fl. paléozoique Angara*).
*Publ.*: 1919 (p. 2: 21 Nov 1918, but p. 10: "complément" Apr 1919), p. [1]-76, *pl. 1-63*. *Copies*: G, HH.

**18.569.** *Sur des débris de nouvelles plantes permiennes* ... Bulletin de l'Académie des Sciences de l'URSS 1929. Oct.
*Publ.*: Nov 1929, p. 677-689. *Copies*: G, USGS. – Reprinted and to be cited from Bull. Acad. Sci. URSS 7: 677-689. 1929.

**18.570.** *Sur le Syniopteris nesterenkoi* n.g. et sp. le *Syniopteris demetriana* n.g. et sp. nouveaux végétaux Permiens ... Bulletin de l'Académie des Sciences de l'URSS ... [Leningrad] 1929. Oct.
*Publ.*: Dec 1929, cover-t.p., p. 729-736. *Copy*: G. – Reprinted and to be cited from Bull. Acad. Sci. URSS, Cl. Sci. phys.-mat. 1929(8): 729-736.

**18.571.** *Observations sur de* [sic] *nouveaux spécimens du Psygmnophyllum expansum* Brongniart et sur une nouvelle plante fossile Idelopteris elegans n.g. et sp. ... Bulletin de l'Académie des Sciences de l'URSS ... [Leningrad] 1929. Oct.
*Publ.*: Dec 1929, p. 717-727. *Copies*: Copy: USGS. – Reprinted and to be cited from Bull. Acad. Sci. URSS, cl. Sci. phys.-mat. 1929(8): 717-727.

**18.572.** *Observations sur deux végétaux nouveaux du Dévonien* supérieur du Bassin du Donetz ... Bulletin de l'Académie des Sciences de l'URSS, ... 1930.
*Publ.*: Dec 1930, p. 1009-1016, *pl. 1*. *Copies*: BR, USGS. – Reprinted and to be cited from Bull. Acad. Sci. URSS, Cl. Sci. phys.-mat. 1930(10): 1009-1016, *pl. 1*.

**18.573.** *Carboniferous flora of North Caucasus* ... Leningrad-Moskva ... 1934. Qu.
*Publ.*: 29 Oct 1933 (date censor on p. 2; cover dated 1934), p. [1]-[22], *pl. 1-11*. *Copy*: U [Kamennougal'naja Flora Severnogo Kavkaza].

**Zamelis,** [Zamels] **Aleksandrs** (1897-1943), Latvian botanist and geneticist; studied natural sciences at St. Petersburg 1914-1917 and Riga 1917-1921; Mag. rer. nat. Riga 1921, habil. ib. 1925; assistant at the Botanical Institute of the University of Riga 1922-1925, hon. lecturer from 1925-1943; Dr. phil. 1942; also professor of genetics at the Agricultural Academy at Jelgava 1942-1943. (*Zamelis*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

NOTE: The author spelled his name "Zamels" on his publications up to and including 1927; from 1928 onward he used the spelling "Zamelis".

BIBLIOGRAPHY and BIOGRAPHY: BJI 2: 196; Hirsch p. 332; Hortus 3: 1207; Zander ed. 10, p. 735, ed. 11, p. 838.

BIOFILE: Skuja, K., Ber. deut. bot. Ges. 68a(2): 121-124. 1955 (obit., portr., bibl.). Verdoorn, F., ed., Chron. bot. 2: 117, 226. 1936, 3: 197, 431. 1937.

**18.574.** *Tris Latvija jaunatrastas ziedaugu sugas* ... Latvijas Universitates Raksti ... 1924. Oct.
*Publ.*: 1924, p. [393]-402. *Copy*: B. – Reprinted and to be cited from Acta Univ. Latv. 10: [393]-402. 1924.

**18.575.** *Beiträge zur Kenntnis des Formenkreises Pulsatilla patens* (L). Mill. ... Acta Horti botanici Universitatis Latviensis ... 1926. Oct.
*Publ.*: 1926, cover-t.p., p. [81]-108. *Copies*: B, G. – Reprinted and to be cited from Act. Hort. bot. Univ. Latv. 1: [81]-108. 1926.

**18.576.** *Über zwei Pulsatillen der Flora Polens*: Pulsatilla Wolfgangii Besser und Pusatilla Teklae Zamels ... Wilno (Wydano z zasilka Ministerstwa W.R.I.O.P. ...) 1927. Oct.
*Publ.*: 1927, cover-t.p., p. [1]-7, 8. *Copy*: B. – Preprinted or reprinted from Trav. Soc. Sci. lettr. Vilno 3, 1927 (journal n.v.).

**18.577.** *Zur Verbreitung der Alchemilla-Arten in Lettland* Acta Horti Botanici Universitatis Latviensis ... 1929 [1930]. Oct.
*Co-author*: Argine Kvite.
*Publ.*: 10 Mar 1930, cover-t.p., p. [95]-200. *Copies*: B, G, H. – Reprinted and to be cited from Acta Hort. Bot. Univ. Lat. 4: [95]-200. 1930.

**18.578.** *Bedeutung der Genetik in der Systematik* und Geographie der Pflanzen ... Separat aus: Genetica ... Haag (Martinus Nijhoff) 1931. Oct.
*Publ.*: 1931 (read 4 Jun 1931), cover-t.p., p. [151]-182. *Copy*: B. – Reprinted and to be cited from Genetica 13: [151]-182. 1931.

**18.579.** *Key to the East Baltic species of Alchemilla* ... Acta Horti Botanici Universitatis Latviensis ... 1933. [1935]. Oct.
*Publ.*: 1 Mar 1935, cover-t.p., p. [113]-126. *Copies*: B, H. – Reprinted and to be cited from Acta Hort. Bot. Latv. 8: [113]-126. 1935.

**Zanardini, Giovanni [Antonio Maria]** (1804-1878), Italian physician and botanist; Dr. med. Padova 1831, Dr. chir. obstet. Pavia 1934; practicing physician in Padova and Venezia; secretary at the R. Istituto Veneto di Scienze e Lettere. (*Zanardini*).

HERBARIUM and TYPES: Museo civico di Storia naturale, Venice, Italy (inf. P.W. Gabrielson); some material also at BASSA, BM, DBN, L (herb. Kützing), WRSL. – For a description of the *Algarium Zanardini* see G.B. de Toni & D. Levi-Morenos 1886 and 1888 (IDC 6357). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 2(2): 302; Barnhart 3: 537 (b. 12 Jun 1804, d. 24 Apr 1878); Biol.-Dokum. 19: 10258; BM 5: 2381; Bossert p. 448; CSP 6: 482, 8: 1292, 11: 876; De Toni 1: cxxxv-cxxxvi, 2: cxxiv, cxxix; DTS 1: 333, 6(4): 21; Frank 3 (Anh.): 116; GR p. 541; Herder p. 180, 225; Jackson p. 317; LS 29511-29512; NI 2192; Nordstedt p. 34; PR 10441-10447, ed. 1: 11398-11400; Saccardo 1: 175, 2: 115, 156; Tucker 1: 757.

BIOFILE: Anon., Bonplandia 6: 55. 1858 (cogn. Leopoldina Donati); Brit. Mus. gen. cat. print. books 262: 996-997. 1966; Flora 37: 704. 1854 (member R. Ist. Veneto); Flora 61: 224. 1878 (d.); J. Bot. 16: 256. 1878 (d.); Österr. bot. Z. 28: 248. 1878 (d.).
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Cesati, V., Saggio bibl. algol. ital. 395-415. 1882.
Cor., F., Enc. ital. sci. 35: 880. 1937.
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De Toni, G.B. *in* Mieli, A., Gli scienziati italiani 1(1): 115-118. 1921 (biogr. sketch, portr., bibl.).
Koster, J.Th., Taxon 48: 559. 1969.
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 811. 1984.
Meneghini, G., Att. r. Ist. venet. ser. 5. 5(10): 923-943. 1879 (obit., portr.).
Saccardo, P.A., Storia lett. fl. Veneta 121, 135, 137, 158. 1869.
Wittrock, V.B., Acta Horti Berg. 3(2): 167. 1903, 3(3): 181. 1905.

THESIS: *Quaedam de botanicae in medicina utilitate* ac necessitate cum plantarum officinalium pugillo, quae perniciose subrogantur, tabula differentiali addita. Dissertatio inauguralis, ... Patavii. 1831.

**18.580.** *Sopra un'alga nuova* o meno nota delle lagune veneziane decorata del nome specifi-

co di *Ranieriana* memoria ... Venezia (Co' tipi di Antonio Bazzarini e C°.) 1834). Oct. (*Alg. nuov. Ranieriana*).
*Publ.*: 1834, p. [1]-11, [12, expl. pl.], *1 pl.* (col. lith.). *Copies*: FH, G.

**18.581.** *Sopra le alghe del Mare adriatico* lettera seconda ... alla Direzione della Biblioteca italiana [Milano 1840]. Oct.
*Publ.*: Sep-Dec 1840 (p. [3]: 30 Aug 1840), p. [1]-36. *Copies*: FH, G, NY. – Reprinted and to be cited from Bibl. ital. 99: 195-229 [for] Jul-Sep 1840.
[*Lettera prima*]: Bibl. bot. 96: 131-137 [for] Oct-Dec (p. 134: 30 Nov 1839).

**18.582.** *Synopsis algarum in Mari adriatico* hucusque collectarum cui accedunt monographia Siphonearum nec non generales de algarum vita et structura disquisitiones ... Taurini [Torino] (ex Regio Typographeo) 1841. Qu. (*Syn. alg. Mare adriat.*).
*Publ.*: 1841 (read 2 Mai 1841), p. [1]-153, *pl. 1-8* (col. copp. auct.). *Copies*: NY; IDC 5007. – Preprinted or reprinted from Mem. Accad. sci. August.-Taurin. ser. 2. 4: 105-255, *pl. 1-8* (id.).

**18.583.** *Saggio di classificazione naturale delle Ficee* ...aggiunti nuovi studii sopra l'Androsace degli antichi con tavola miniata ed enumerazione di tutte le specie scoperte e raccolte dall'autore in Dalmazia. Venezia (Dallo Stabilimento tipographico enciclopedico di Girolamo Tasso) 1843. Qu. (*Sagg. classif. Ficee*).
*Publ.*: Mar 1843 (100 copies printed; p. [2]: Mar 1843), p. [1]-64, [1, err.], 2 charts, *1 pl.* (col. lith. auct.). *Copies*: FH, G, NY.
*Preceded by*: [*Sunto do un*] *saggio di classificazione naturale delle Ficee*, Atti Ist. Venet. 2: 306-308. 1843.
*Ref.*: Mohl, H., Bot. Zeit. 2: 404-408. 1844 (rev.).

**18.584.** *Sulle Corallinee* (polipaj calciferi di Lamouroux) *rivista* ... Venezia (dalle stabilimento tipografico encicl. di Gir. Tasso) 1844. Qu. (*Corallinee*).
*Publ.*: Feb 1846, p. [1]-38. *Copies*: FH, G. – Publ. as Encicl. ital. fasc. 106, Feb 1844.
*Abstract*: Atti Ist. venet. 3: 186-188. 1844.

**18.585.** *Memoria algologiche* ... inserite nel Giornale botanico italiano ... con aggiunti e correzioni ... [Racolta fis.-chim. ital. 1846]. Oct.
*Publ.*: 1846, p. [405]-428. *Copies*: FH, G. – Reprinted and to be cited from Racolta fis-chim. ital. 1: 405-428. 1846.
*Original publ.*: 3 papers in Parlatore, Giorn. bot. ital. 2(1): 28-40, 41-48, 48-52. 1846. – The first paper, *Delle Callitamiee e di alcune nuove specie del genera Callithamnion* also reprinted, p. [1]-21, s.l.n.d. *Copy*: US.

**18.586.** *Prospetto della flora veneta* ... in occasione del IX Congresso degli scienziati italiani ... Venezia (nell'I.R. priv. Stabilimento nazionale di G. Antonelli) 1847. Oct. (*Prosp. fl. veneta*).
*Publ.*: 1847, p. [1]-53. *Copy*: HH. – Preprinted or reprinted from *Venezia e le sue lagune* (n.v.).

**18.587.** *Notizie intorno alle cellulari marine* della lagune e de' literali di Venezia ... Venezia (dalla tipografica di Pietro Naratovich) 1847. Qu.
*Publ.*: 1847, p. [1, cover], [3]-88, *pl. 1/2, 3/4, 5/6* (uncol. liths.). *Copies*: FH, FI, NY. – Reprinted and to be cited from Atti Ist. venet. 6: 185-262. 1847.

**18.588.** *Plantarum in Mari rubro* hucusque collectarum enumeratio (juvante A. Figari) ... Venetiis (excudebat J. Antonelli ...) 1858. Qu.
*Co-author*: A. Figari.
*Publ.*: 1858, p. [i-ii], [1]-101, *pl. 1-12* (col. liths., auct.). *Copies*: FH, G, HH. – Reprinted and to be cited from Mem. R. Ist. Venet. 7(2): [209]-309, *pl. 3-14*. 1857 [1858].

**18.589.** *Iconographia phycologica adriatica* ossia scelta di Ficee nuove o più rare del mare adriatico figurate, descritte ed illustrate da G. Zanardini ... Venezia (nel priv. stabil. di G. Antonelli) 1860-1876. 3 vols. Qu. (*Iconogr. phycol. adriat.*).

*Publ.*: 1860-1876, preprinted and reprinted from Mem. Ist. veneto vols. 9-19 (14 separate papers). *Copies* of book publ.: FH, G; of journal publ.: FH, NY; IDC 5274.
*1*: 1860, p. [i*-ii*], [i]-viii, [1]-175, [176], *pl. 1-40* (col. liths., auct.).
*2*: 1865, p. [i]-viii, [ix, err.], [1]-168, *pl. 41-80* (id.).
*3(1)*: 1871 (submitted 20 Jun 1870), p. [1]-36, *pl. 81-88.*
*3(2)*: 1873, p. 37-68, *pl. 89-96.*
*3(3)*: 1874 (submitted 22 Dec 1873), p. 69-100, *pl. 97-104.*
*3(4)*: 1876, p. 101-132, *pl. 105-112.*
*Concordance Iconographia and Memorie* (we follow data given in the FH and NY copies):
*1(1)*: 1-34, *pl. 1-8*, Mem. 9(1): [41]-78, *pl. 1-8* ["7bis"] 1860 (text presented 16 Apr 1860).
*1(2)*: 35-66, *pl. 9-16*, Mem. 10 (1 or 2): [91]-124, *pl. 9-16.* 1861 (id. 17 Jun 1961).
*1(3)*: 67-102, *pl. 17-24*, Mem. 10(3): [447]-484, *pl. 26-33.* 1861 [i.e. 1862 because presented 23 Apr 1862].
*1(4)*: 103-138, *pl. 15-32*, Mem. 11(2): [269]-306, *pl. 11-18.* 1862 [i.e. 1863: presented 15 Apr 1863].
*1(5)*: 139-175, *pl. 33-40*, Mem. 12(1): [7]-43, *pl. 1-8.* 1864 (presented 30 Mai 1864).
*2(1)*: iii-viii, 1-32, *pl. 41-48*, Mem. 12(2): [375]-410, *pl. 14-21.* 1864 [i.e. 1865: presented 22 Mai 1865].
*2(2)*: 33-66, *pl. 49-56*, Mem. 13(1): [141]-176, *pl. 2-9.* 1866 (date of presentation not stated).
*2(3)*: 67-68, *pl. 57-64*, Mem. 13(2 or 3): [403]-434, *pl. 10-17.* 1866 (i.e. 1867: presented 27 Mai 1867).
*2(4)*: 99-134, *pl. 65-72*, Mem. 14(2): [179]-216, *pl. 4-11.* 1869 (presented 22 Jun 1868, but printer's date on cover 1869).
*2(5)*: 135-168, *pl. 73-80*, Mem. 14(3): [437]-472, *pl. 26-30.* 1870 (presented 21 Jun 1869).
*3(1)*: 3-36, *pl. 81-88*, Mem. 15(2): [425]-460, *pl. 10-17.* 1871 (presented 20 Jun 1870).
*3(2)*: 37-68, *pl. 89-96*, Mem. 17(3): [427]-460, *pl. 14-21.* 1863 (presented 22 Dec 1872).
*3(3)*: 69-100, *pl. 97-104*, Mem. 18(1): [253]-286, *pl. 2-9.* 1874 (presented 22 Dec 1873).
*3(4)*: 101-132, *pl. 105-112*, Mem. 19(3): [509]-544, *pl. 23-30.* 1876 (presented 18 Jun 1876).

**18.590.** *Phycearum indicarum pugillus* ... Venetiis (Typis Josephi Antonelli) 1877. Qu.
*Publ.*: 1872 (Bot. Zeit. 8 Nov 1872), p. [i-ii], [1]-42, *pl. 1-12* (col. liths. auct.). *Copies*: FH, NY. – Preprinted or reprinted from Mem. Ist. venet. 17(1): 130-170, *pl. 1-12.* 1872.

**Zander, Robert** (1892-1969), German (Prussian) horticulturist and botanist; on active service in World War I; Dr. phil. Halle 1923; assistant at the Halle Botanical Institute 1923-1926; with the Reichsverband des deutschen Gartenbaues, Berlin, in charge of library and documentation and working on the nomenclature of plants of horticultural importance; lecturer in the history of horticulture at the Berlin-Dahlem Forschungsanstalt für Gartenbau; creator of the Library of German Horticulture, from 1936. (*Ro. Zander*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 537; BFM 2363; BJI 2: 196; Bossert p. 448; Hirsch p. 332; Plesch p. 465; Tucker 3: 344.

BIOFILE: Anon., in R. Zander, Handw.-Buch bot. Pfl.-Namen ed. 12. 6-7. 1980 (obit. not.); Die Orchidee 20(4): 226. 1969 (obit. not.); Österr. bot. Z. 46: 411. 1896 (d.).
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Lack, E. & H.W., Botanik und Gartenbau in Prachtwerken, Berlin & Hamburg 1985, p. 22-26 (on Zander and the Berlin horticultural library).
L.H., Tagesspiegel 26 Jul 1962 (70th birthday, portr.); 14 Oct 1965 (Bundesverdienstkreuz); 24 Oct 1965 (id.).
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 811. 1985.

Maatsch, R., Taxon 18: 681-682. 1969 (obit., bibl.).
Verdoorn, F., ed., Chron. bot. 2: 53, 138. 1936, 4: 575, 576. 1938.

COMPOSITE WORKS: Editor, *Gartenflora* 84-87, 1935-1938.

NOTE: [Friedrich Heinrich Wilhelm] Richard Zander (1874-1896) wrote a thesis for the University of Berlin on *Die Milksafthaare der Cichoriaceen*, 6 Jun 1896.

EPONYMY: (journal): *Zandera*, Mitteilungen aus der Bücherei des Deutschen Gartenbaues e. V., Berlin Vol. 1-x, 1982-x.

**18.591.** *Handwörterbuch der botanischen Pflanzennamen* einschliesslich der gebräuchlichsten Synonyme und deutschen Bezeichnungen für die häufigsten Handelspflanzen der Land- und Forstwirtschaft, des Gartenbaues und der Industrie unter Berücksichtigung der in ausländischen Verzeichnissen abweichend gegebenen botanischen Namen. Herausgegeben vom Reichsverband des deutschen Gartenbaues e.V. ... Berlin (Verlag Gärtnerische Verlagsgesellschaft ...) 1927. Oct. (*Handw.-Buch bot. Pfl.-Namen*).
*Ed. 1*: 25 Dec 1927 (date on t.p.: "Weihnachten 1927"), p. [1]-312. *Copies*: HH, USDA.
*Nachtrag*: 1928 (p. [5]: Mai 1928; J. Bot. Oct 1928), p. [1]-128. *Copies*: HH, USDA. – Nachtrag zum Handwörterbuch ... 1928.
*Ed. 2*: 1932 (preface: Summer 1932), p. [1]-468. *Copies*: B, H, USDA. – *Handwörterbuch der Pflanzennamen* und ihre Erklärungen.
*Ed. 2, reprint* (= ed. 3): 1936, p. [1]-468, n.v.
*Ed. 3* (= ed. 4): early 1938 (Nat. Nov. Jul 1938), p. [1]-468. *Copies*: B, LD, NSUB.
*Ed. 3, reprint 1* (= ed. 5): late 1938, p. [1]-468. *Copy*: USDA.
*Ed. 3, reprint 2* (= ed. 6): 1940, p. [1]-465. *Copy*: G.
*Ed. 7*: 1954 (pref. 1954; Taxon Feb 1955), p. [1]-512. *Copies*: FAS, G, H, USDA. – *Handwörterbuch* ... Erklärungen. Entsprechend den Beschlüssen der letzten Nomenklatur-Tagungen in Stockholm (1950), London (1951 und 1952) und Paris (1954) gänzlich neu bearbeitet ... Stuttgart (Eugen Ulmer ...) 1954. Oct.
*Ed. 8*: 1955, p. [1]-512. *Copy*: NY.
*Ed. 9*: 1964 (p. [5]: Summer 1964), p. [1]-623. *Copies*: FAS, G, H, HH, NY. – Völlig neubearbeitet von ... Robert Zander, ... Fritz Encke, ... Günther Buchheim ... Stuttgart (id.) 1964. Reviews: Taxon 14: 170-171. 1965, Bot. Jahrb. 84: (12)-(15). 1966, Süddeutscher Erwerbsgärtner 3 Apr 1965.
*Ed. 10*: 25 Jul 1972, p. [1]-744, ISBN 3-8001-5001-8. *Copies*: FAS, G, H, NY. – *Review*: Taxon 22: 129-130. 1973. – Fritz Encke and Günther Buchheim, *Zander Handwörterbuch der Pflanzennamen*, Stuttgart (id.) 1972.
*Ed. 11*: 25 Jun 1979, p. [1]-844, ISBN 3-8001-5009-3. *Copies*: FAS, G, H. - *Review*: Taxon 29: 173-174. 1980. – Fritz Encke, Günther Buchheim, Siegmund Seybold, *Zander Handwörterbuch der Pflanzennamen*, Stuttgart (id.). 1979. – Contains a brief biography and bibliography of Zander.
*Ed. 12*: 1980, actually a – very slightly corrected – reprint of ed. 11. *Copies*: H, HH.
*Ed. 13*: 1984. *Copy*: H.

**18.592.** *Zander's Grosses Garten-Lexikon.* Reich illustrierter Ratgeber für Gärtner und Gartenfreunde ... Berlin (Im Verlag Ullstein ...) [1934]. (*Gross. Gart.-Lex.*).
*Publ.*: 1934, p. [i-viii], 1-686, *16 col. pl. Copy*: NY.

**18.593.** *Wörterbuch der gärtnerischen Fachausdrucke in vier Sprachen.* Dictionary of horticultural terms ... Berlin (Gärtnerische Verlagsgesellschaft Dr. Walter Lang K.G.) 1938. Oct. (*Wörterb. gärtn. Fachausdr.*).
*Publ.*: 1938 (p. [8]: 1 Aug 1938), p. [1]-419. *Copy*: B. – German, English, French and Italian.

**Zanfrognini, Carlo** (1866-?), Italian physician and lichenologist in Modena, sometime assistant at the botanical garden of Modena. (*Zanfr.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: CSP 19: 763; De Toni 4: lxv; GR p. 525, cat. p. 74; LS 29513-29516, 40797, suppl. 30694-30696; Saccardo 1: 175.

**18.594.** *Contribuzione alla flora algologica del Modenese* ... Modena (coi tipi di G.T. Vincenzi e nipoti ...) 1895. Oct.
*Publ.*: 1895, p. [i-ii], [104]-120. *Copies*: H, NY. – Reprinted and to be cited from Atti Soc. Natural. Modena ser. 3. 13: 104-120. 1894 (publ. 1895).

**18.595.** *Contribuzione alla flora lichenologica dell'Emilia* ... Estratto dal Nuovo Giornale botanico italiano ... 1902. Oct.
*Publ.*: Apr, Jul, Oct 1902 (in journal), p. [i], [1]-70. *Copies*: B, G. – Reprinted and to be cited from Nuov. Giorn. bot. ital. ser. 2. 9(2): [190]-211 (= 1-22). Apr, 355-377 (= 23-45). Jul, 435-459 (= 46-70). Oct. 1902.

**18.596.** *Licheni delle Ardenne* contenuti nelle Cryptogamae Arduennae della Signora M.A. Libert ... [Estratto dal Malpighia ... 1903]. Oct.
*Publ.*: 1903 (p. 10: 16 Mar 1903), p. [1]-10, [12]. *Copies*: B, G, H. – Reprinted and to be cited from Malpighia 17: 229-238.

**18.597.** *Note lichenologiche I.* Sul Collema elveloideum degli autori ... Modena (Coi tipi di G.T. Vincenzi e nipoti ...) 1905. Oct.
*1*: Jun-Jul 1905 (p. 11: 8 Mai 1905; rd. G 1 Sep 1905), p. [1]-11. – Reprinted and to be cited from Atti Soc. Nat. Mat. Modena ser. 4. 7: [84]-92. 1905.
*2*: (Sull'Omphalaria nummularia degli autori): 1906, p. [1]-12. – Id. 39: 23-32. 1906.
*Copies*: B, G, H.

**Zannichelli** [Zanichelli], **Giovanni Gerolamo** [Gian Girolamo] (1662-1729), Italian physician, pharmacist and botanist in the republic of Venice. (*Zannichelli*).

HERBARIUM and TYPES: PAD (fide Saccardo 1902, 1904). Some other material at OXF. Saccardo (1904) refers to a Zannichelli herbarium at PAV. We do not know whether this is the original herbarium extant with the family until 1850 mentioned by Burdet (1979).

BIBLIOGRAPHY and BIOGRAPHY: AG 1: 360, 12(1): 315; Backer p. 633; Barnhart 3: 537 (b. Mai 1662, d. 11 Jan 1729); BM 5: 2382; Bossert p. 448; Clokie p. 268; De Toni 1: cxxvi; Dryander 3: 148, 344, 529; DTS 1: 333; Frank 3 (Anh.): 116; GR p. 464, 542; Hegi 1:140; Herder p. 180; HU 498; Jackson p. 30, 31; Lasègue p. 12; NI 2192; PR 10448-10452, ed. 1: 11402-11406; Quenstedt p. 471; Rehder 5: 938; Saccardo 1: 175, 233, 2: 115, cron. p. xxxvi; Tucker 1: 757.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 262: 1042. 1966.
Burdet, H.W., Candollea 34: 215-216. 1979 (biogr. abstr., herb., handwr.).
Burdet, H.M. et al., Ouvrages botaniques anciens 434. 1985.
Cozzi, C., Bull. Soc. bot. ital. 1905: 163-165 (unpubl. mss.).
Ferrari, L., Onomast. repert. biobibl. scrit. ital. 702. 1947.
Saccardo, P.A., Storia lett. fl. veneta 24, 32, 35, 69. 1869; Atti Ist. veneto 1904, 122 p., 1 pl. (I codici botanici figurati e gli erbari di G.G. Zannchelli, B. Martini e G. Agosti esistenti nell'Istituto botanico di Pavia, see TL-2/9937); Malpighia 12(3-4): 155-157. 1898 (biogr., portr.); Atti Ist. veneto 66(2): 625-642. 1907 (on unpublished drawings of the flora of Monte Cavallo; TL-2/9942).
Wittrock, V.B., Acta Horti Berg. 3(2): 167. 1903.

HANDWRITING: Candollea 34: 215-216. 1979.

EPONYMY: *Zannichellia* Linnaeus (1753).

**18.598.** *Istoria delle piante* che nascono ne' lidi intorno a Venezia opera postuma di Gian-Girolamo Zannichelli accresciuta da Granjacopo Figliulo dello stesso, ed accademico

dell'instituto delle scienze di Bologna e pubblicata a spese sue. Venezia (appresso Antonio Bortoli ...) 1735. (*Ist. piant.*).
*Publ.*: 1735, engr.-t.p., p. [i-xlii], 1-290, [291], *78 pl.* (with 131 ills.). *Copies*: G, NY, USDA.

**Zapałowicz, Hugo** (1852-1917), Polish military lawyer and botanist; studied law at Kraków; Dr. jur. ib. 1880; combined an active career in the military administration of the Austro-Hungarian empire with botanizing. (*Zapał.*).

HERBARIUM and TYPES: KRAM. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 12(1): 411; Barnhart 3: 537; BM 8: 1469; Bossert p. 449; CSP 19: 764; Futak-Domin p. 666-667; IH 1 (ed. 6): 366, (ed. 7): 346; Rehder 5: 938; Tucker 3: 344.

BIOFILE: Anon., Katalog literatury naukowej polskiej 4: 43-44. 1905, 5: 23, 68-69. 1906, 6: 21, 64-65. 1907, 7: 21-22, 54. 1908, 8: 20, 54-55. 1909, 9: 69. 1910, 10: 28, 67-68. 1911; Wielka encyckl. powszechna pwn 12: 639. 1969.
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*1*: 1904-1906, p. [ii]-viii, [1]-296, [297, err.]. – Reprinted and to be cited from Rozpr. Akad. Umiej. Krakow ser. B. 44-46. 1904-1906, see below.
*2*: 1907-1909, p. [ii-iv], [1]-311, [313-314], err., [315, index]. – Id. 47-49. 1907-1909.
*3*: 1911-1914, p. [ii-iv], [1]-246. – Id. p. 50-51. 1911-1912.
*Copies*: G, H, HH, MO, PH. – Alternative title: *Krytyczny Przeglad roślinności Galicyi.*
*Vol. 1*: originally published in Rozpr. 44: 74-113, 153-196, 305-341. 1904, 45: 83-110. 1906, 46: 65-102, 189-210, 241-296. 1906 (= fasc. 1-7).
*Vol. 2*: 47: 153-236, 265-302, 587-632, 685-706. 1907, 48: 187-256, 331-336. 1909 (= fasc. 8-14).
*Vol. 3*: 50: 173-211, 353-408, 671-682. 1911, 51: 1-34, 67-89, 121-157, 265-280, 443-456. 1912 (= fasc. 15-22).
*Continuation*: not reprinted in book form: *in* Rozpr. 52: 1-49, 157-180, 211-239, 547-565. 1912, 53: 29-40, 115-125, 311-339. 1913, 54: 209-290. 1914.

**Zawadzki** [Zawadzsky, Zawadski], **Alexander** [**Jan Antoni**] (1798-1868), Austrian-Silesian botanist; studied at the Universities of Ölmütz 1819-1820 and Lemberg 1821; botanical assistant at Lemberg 1822; high school teacher at Lemberg 1824; assistant for mathematics and physics Univ. Lemberg 1830-1837; regular professor id. Przemysl 1837; professor of physics Univ. Lemberg 1849; teacher for natural history at the k.k. Oberrealschule, Brünn 1850-1867. (*Zaw.*).

HERBARIUM and TYPES: BRNM; some material also in OXF.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(2): 51; Backer p. 633; Barnhart 3: 538 (b. 6 Mai 1798, d. 5 Mai 1869); BM 5: 2383; Clokie p. 268; Futak-Domin p. 668; GR p. 463; Herder p. 193; Hortus 3: 1207; Jackson p. 266, 268; Klástersky p. 208; LS 29529; PR 10463-10464, ed. 1: 11418-11419; Rehder 5: 938; Tucker 1: 757, 3: 344.

BIOFILE: Anon., Bot. Zeit. 26: 512. 1868 (d.); Brit. Mus. gen. cat. print. books 263: 70. 1966; Österr. bot. Zeit. 18: 203. 1868 (d.); Ottuv slovnik naučný 27: 483. 1908; Verh. zool.-bot. Ges. Wien 10(3): 632-634. 1860 (obit. not.).
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Ilg, W., Hoppea 42: 348. 1984.
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Kafka, J., Verh. naturf. Ver. Brünn 8(1): 53-54. 1870 (monument).

Knapp, J.A., Österrr. bot. Z. 18: 209-212. 1868 (obit.).
Orel, V., Folia Mendeliana 7: 13-20. 1972 (Z. as Mendel's superior at the Brno technical school).
Orgelbrand, S., Encyklopedja Powszechna 16: 56-57. 1904.

**18.600.** *Enumeratio plantarum Galiciae & Bucowinae*, oder die in Galizien und der Bukowina wildwachsenden Pflanzen mit genauer Angabe ihrer Standorte ... Breslau (bei Wilhelm Gottlieb Korn) 1835. Oct. (*Enum. pl. Galic. Bucow.*).
*Publ.*: 8-14 Mar 1835 (p. ix: 18 Sep 1834; Hinrichs; Flora 21 Mai 1835), p. [i]-xxiv, [1]-200. *Copies*: G, NY.

**18.601.** *Flora der Stadt Lemberg*, oder Beschreibung der um Lemberg wildwachsenden Pflanzen, nach ihren Blüthezeit geordnet von Dr. Alexander Zawadzki, ... Lemberg [Lwow] (bei Kuhn und Millikowski) 1836. Oct. (in 4-s). (*Fl. Lemberg*).
*Publ.*: 1836 (p. x: 31 Dec 1835; Flora 21 Jul 1836), p. [i-xvi], [1]-230. *Copies*: HH(2), NY.

**Zea, Francisco Antonio** (1770-1822), Colombian statesman and botanist; educated at the Seminary of Popayan and the College of San Bartolome in Bogota; successor to J.C. Mutis on the "Expedicion botanica" 1789; sent to Spain for political reasons1794-1799, part of the time imprisoned in Cadiz; on a scientific mission to France 1799-1803; director of the Madrid botanical cabinet 1803; chief clerk of the secretary of the interior 1808, afterwards prefect of Malaga; left Spain after the French occupation, to Bolivar in Haiti 1815; with Bolivar to Venezuela in 1816-1819; vice-president of Colombia after its proclamation as a republic 1819; sent to France and England 1820; student of quinine. (*Zea*).

HERBARIUM and TYPES: MA (Spanish material). – *Letter* to J.E. Smith at LINN, *letters* to Banks at BM, other letters at G(?).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 538 (b. 21 Oct 1770,d. 22 Nov 1822); Bossert p. 449; Colmeiro penins. p. 191; CSP 6: 491; Dawson p. 893; Hegi 6(1): 155; Lasègue p. 470; PR 8867, ed. 1: 7904; Rehder 3: 720; RS p. 149; TL-2/9783 (on the discovery of quinine); Zander ed. 10, p. 735, ed.1 11, p. 838.

BIOFILE: Anon., Appleton's Cycl. Amer. biogr. 6: 657. 1889; Encicl. univ. ilustr. eur.-amer. 70. 1135-1137. 1930; Brit. Mus. gen. cat. print. books 263: 95. 1966.
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Steele, A.R., Flowers for the king 201-206, 209, 264, 286. 1964.
Zea, F.A., Anal. hist. nat., Madrid tomo 2, 5: 196-235. 1800 (Memoria sobre la quina).

**Zederbauer, Emmerich** (1877-1950), Austrian botanist; Dr. phil. Wien 1903; botanical demonstrator Bot. Inst. Univ. Wien 1901-1902, assistant ib. 1903-1905; assistant at the Forestry Station Maria-Brunn 1905, adjunct ib. 1906, inspector 1913, "Oberinspektor" 1919; Habil. Hochschule für Bodenkultur Wien 1912; e.o. professor of botany ib. 1921, ordinary professor from 1924-1938. (*Zederb.*).

HERBARIUM and TYPES: WU; material from Erdschias-Dagh at W (817).

BIBLIOGRAPHY and BIOGRAPHY: Biol.-Dokum. 19: 10272; GR p. 463-464 (d. 4 Sep 1950); Hirsch p. 333; Lenley p. 444; LS 29536; Nordstedt suppl. p. 5; TL-2/see F.K.M. Vierhapper; Tucker 1: 758.

BIOFILE: Anon., Bot. Centralbl. 85: 191. 1901 (demonstrator); Hedwigia 41: (255). 1902 (returns from Asia minor), 42: (162). 1903 (asst. Wien), 45: (38). 1906 (to Mariabrunn), 52: (155). 1912 (at Hochschule Bodenkultur), 54: (189). 1914 ("inspector"

ib.); Österr. bot. Z. 52: 371. 1902 (demonstrator Wien; made trip to Anatolia), 53: 87. 1903 (asst. ib.), 55: 284. 1905 (asst. Mariabrunn), 63: 480. 1913 (inspector ib.), 68: 344. 1929 ("Oberinspector"), 71: 70. 1922 (e.o. prof. Hochsch. Bodenkult.), 73: 72, 300. 1924 (ord. prof.), 83: 159. 1934 (botany teaching), 87: 248. 1938 (retirement).

Janchen, E., Richard Wettstein [Österr. bot. Z. 82:] 179. 1933 (b. 29 Sep 1877, curr. vit.).

COMPOSITE WORKS: *Vegetationsbilder aus Kleinasien, in* Karsten & Schenck, Vegetationsbilder ser. 3. 6: *pl. 31-36.* Jun 1906.

EPONYMY: *Zederbauera* H.P. Fuchs (1959).

HANDWRITING: *in* Richard Wettstein zum sechzigsten Geburtstag, [Wien 1923], pamphlet included with Österr. bot. Z. 72. 1923 (bound with p. 116).

**18.602.** *Untersuchungen über Anlage und Entwicklung der Knospen einiger Laubmoose* ... Separatabdruck aus der "Oesterreichischen botanischen Zeitschrift 1902. Oct.
*Publ.*: Feb, Mar 1902 (in journal), p. [1]-8, *pl. 1-3. Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 52: 45-48. Feb, 96-100, *pl. 1-3.* Mar 1902.

**18.603.** *Myxobacteriaceae* eine Symbiose zwischen Pilzen und Bacterien ... Sitzb. math.-naturw. Kl. [Akad. Wiss. Wien] 1903. Oct.
*Publ.*: 1903 (read 22 Mai 1903; Nat. Nov. Jan(1) 1904), p. 447-482, *pl. 1-2. Copy*: G. – Reprinted and to be cited from S.B. k. Akad. Wiss. Wien, math.-naturw. Kl. 112(1): 447-482, *pl. 1-2.* 1903.

**18.604.** *Geschlechtliche und ungeschlechtliche Fortpflanzung von Ceratium hirundinella* ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1904. Oct.
*Publ.*: 24 Feb 1904, p. [1]-8, *pl. 1. Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 22(1): [1]-8, *pl. 1.* 1904.

**18.605.** *Ceratium hirundinella* in den österreichischen Alpenseen ... Separatabdruck aus der "Oesterreichischen botanischen Zeitschrift" ... 1904. Oct.
*Publ.*: Apr, Mai 1904 (in journal), p. 1-10, *pl. 5. Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 54(4): 124-128. Apr, (5): 167-172, *pl. 5.* Mai 1904.
*Ref.*: Gutwiński, R., Bot. Centralbl. 98: 544-545. 30 Mai 1905 (rev.).

**18.606.** *Exkursion in die niederösterreichischen Alpen und in das Donautal* ... Wien (Im Selbstverlage des Organisations-Komitees ...) 1905. Oct. (*Exkurs. niederösterr. Alpen*).
*Publ.*: 1905, cover, p. [1]-15, [16]. *Copy*: B-S. – Führer zu den wissenschaftlichen Exkursionen des II. Internationalen botanischen Kongresses, Wien 1905, no. 4.

**18.607.** *Die Moose und Flechten* in den Versuchsbeständen im Grossen Föhrenwalde ... Wien (Wilhelm Frick, ...) 1906. Oct.
*Publ.*: 1906 (Bot. Centralbl. 14 Aug 1906; Hedwigia 18 Aug 1906; Nat. Nov. Jun(1) 1906), cover-t.p., p. [1]-13. *Copies*: B, H, USDA. – Reprinted and to be cited from Centralbl. ges. Forstwesen 32: 165-175. 1906.

**Zeiller, [Charles] René** (1847-1915), French palaeobotanist; studied at the École polytechnique 1865-1867 and the École des mines 1867-1870; from 1871 with the Conseil général des mines; from 1878 as secretary; from 1878 also professor of palaeobotany at the École des mines; from 1911 vice-president of the Conseil général des Mines; Acad. Sci. 1901. (*Zeiller*).

HERBARIUM and TYPES: Some material at K.– *Letters* to E. Malinvaud at P; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 353-354; Barnhart 3: 538 (b. 14 Jan 1847, d. 27 Nov 1915); BJI 1: 65; BM 5: 2383-2384, 8: 1470; Bossert p. 449; De Toni 4: lxv; DSB

14: 599-600 (F. Stockmans); Herder p. 354; Moebius p. 381-382; Quenstedt p. 472; SK 1: 591; TL-2/9023, 9024, 11.818; Tucker 1: 758; Zander ed. 10, p. 735, ed. 11, p. 838-839.

BIOFILE: Alpern, B. et al., Rev. Paleobot. Palynol. 7: 149-199 (p.p.). 1968.
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COMPOSITE WORKS: (1) *Preface*, to F. Pelourde, *Paléontol. vég.* 1914, TL-2/7624.
(2) See B. Renault, TL-2/9023-9030, 9032, 9041, 9043.

EPONYMY: *Zeilleria* R. Kidston (1884); *Zeillerisporites* D.D. Pant et G.P. Srivastava (1964); *Zeilleropteris* G. Koidzumi (1936).

**18.608.** Explication de la carte géologique de la France ... tome quatrième seconde partie. – *Végétaux fossiles du terrain houiller* ... Paris (Imprimerie nationale) 1878-1879. Qu. (*Vég. foss. terr. houiller*).
*Atlas*: 1878, p. [i, iii], *pl. 159-176* with text.
*Text*: 1879, p. [i-iii], [1]-185.
*Copies*: BR, PH.
*Other issue* (reprint from above): 1880. *Copies*: G, Heerlen, NY, PH.
*Atlas*: p. [i-iii], *pl. 159-176*, with text.
*Text*: p. [i-iii], [1]-185.

**18.609.** *Examen de la flore fossile des couches de Charbon du Tong-King* ... Paris (Dunod, editeur ...) 1882. Oct.
*Publ.*: 1882, p. [1]-56, *pl. 10-11*. *Copies*: BR, G. – Reprinted and to be cited from Ann. Mines ser. 8. 2: 299-352, *pl. 10-12*. 1882.
*Abstract*: 1882 (read 24 Jul 1882), p. [1]-3. *Copy*: BR. – Reprinted and to be cited from C.R. Acad. Sci. Paris 95: 194-196. 1882.

**18.610.** Ministère des Travaux publics. Études des gîtes minéraux de la France ... *Bassin houiller de Valenciennes*. Description de la flore fossile ... Paris (Maison Quantin ...) 1886-1888, 2 vols. Qu. (*Bassin houill. Valenciennes*).
*Atlas*: 1886 (Bot. Centralbl. 24-28 Jan 1887), p. [i*, iii*], [i]-vi, *pl. 1-94* with text (artist Ch. Cuisin).
*Text*: 1888 (published in parts: p. 1-120, 1886; complete text rd. by BSbF 27 Jul 1888), p. [i-iii], [1]-731.
*Copies*: BR, G, NY; IDC 2573.

**18.611.** Ministère des travaux publics. Études des gîtes minéraux de la France ... *Bassin houiller et permien d'Autun et d'Épinac.* Fascicule II. Flore fossile ... Paris 1890. Qu., 2 vols. (*Bassin houill. perm. Autun*).
*Text*: 1890 (Bot. Zeit. 26 Dec 1890), p. [i-iii], [1]-304.
*Atlas*: 1890 (Bot. Zeit. 26 Dec 1890), p. [i-iii], *pl. 1-27* (uncol. liths. Ch. Cuisin).
*Copies*: BR, PH.

**18.612.** Ministère des travaux publics. Études des gîtes minéraux de la France ... *Bassin houiller et permien de Brive.* Fascicule II. Flore fossile ... Paris (Imprimerie nationale) 1892. Qu. (*Bassin houill. perm. Brive*).
*Publ.*: 1892, p. [i-iii], [1]-132. *pl. 1-15* with text. *Copy*: BR.

**18.613.** *Note sur la flore fossile des gisements houillers de Rio Grande do Sul* (Brésil méridional) ... Extrait du Bulletin de la Société géologique de France ... 1896. Oct.
*Publ.*: shortly after 9 Feb 1896 (see note on p. 601), p. [601]-629, *pl. 8-10. Copy*: NY. – Reprinted and to be cited from Bull. Soc. géol. France ser. 3. 23: [601]-629. 1896 (for 1895).

**18.614.** *Étude sur la flore fossile du Bassin houiller d'Héraclée* (Asie mineure) ... Paris (Georges Carré et C. Naud, ...) 1899-1901. Qu. (*Étud. fl. foss. Héraclée*).
*Publ.*: 1899-1901, as Mém. Soc. géol. France, Paléont., Mém. 21 in two parts:
[*1*]: 1899, p. [i-iii], [1]-91, *pl. 1-4*, published in Mém. 8(4). 1899.
[*2*]: 1901, p. 57-91, *pl. 5-6*, published in Mém. 9(1): 1901.
*Ref.*: Fliche, P., Bull. Soc. bot. France 46: 335-337. 1899 (publ. 1900).

**18.615.** *Éléments de paléobotanique* ... Paris (Georges Carré et C. Naud, ...) 1900. Oct. (*Élém. paléobot.*).
*Publ.*: Apr 1900 (Nat. Nov. Sep(2) 1900; BSbF 15 Apr 1900, presented 27 Apr 1900; ÖbZ for Apr 1900; Bot. Zeit. 1 Jul 1900; Bot. Centralbl. 4 Jul 1900), p. [i-iii], [1]-421. *Copies*: BR, G, HH, NY, PH, U.
*Ref.*: Fliche, P., Bull. Soc. bot. France 47: 353-359. 1900.

**18.616.** *Observations sur quelques plantes fossiles des lower Gondwanas* ... Calcutta (sold at the Geological Survey Office) London (Kegan Paul, ...) 1902. Qu. (*Observ. pl. foss. Gondwanas*).
*Publ.*: 1902 (BSbF rd. by 14 Nov 1902), p. [i-iii], [1]-40, *pl. 1-7. Copy*: NY. – Issued as Mem. Geol. Surv. India, Paleontol. Indica, ser. 2. 2(1). 1902. – Abstract by author: Bot. Centralbl. 92: 270-271. 24 Mar 1903.

**18.617.** Ministère des Travaux publics. Études des gîtes minéraux de la France ... Colonies françaises. *Flore fossile des gîtes de Charbon du Tonkin* ... Paris (Imprimerie nationale) 1903. Qu. (*Fl. foss. Charbon Tonkin*).
*Atlas*: 1902, p. [i]-vii, *pl. 1-56* with text.
*Text*: 1903, p. [i*-iii*], [i]-viii, [1]-328, *pl. A-F.*
*Abstract by author*: Bot. Centralbl. 95: 143-144. 9 Feb 1904.
*Copies*: G, L, NY, PH.
*Ref.*: Fliche, P., Bull. Soc. bot. France 51 (Bibl.): 123-125. 1904 (rev.).
Solms, H., Bot. Zeit. 12: 58-59. 1904 (rev.).

**18.618.** Ministère des travaux publics. Études des gîtes minéraux de la France ... *Bassin houiller et permien de Blanzy et du Creusot* fascicule II. Flore fossile ... Paris (Imprimerie nationale) 1906. 2 vols. Qu. (*Bassin houill. Blanzy Creusot*).
*Text*: 1906 (Bot. Centralbl. 5 Mar 1907; Bot. Zeit. 1 Apr 1907), p. [i-iii], [1]-265.
*Atlas*: 1906, p. [i]-vii, *pl. 1-51* with text.
*Abstract by author*: Bot. Centralbl. 105: 8-9. 9 Jul 1907.
*Copies*: G, GRON-UB, PH.
*Ref.*: Fliche, P., Bull. Soc. bot. France 54 (Bibl.): 571-572. 11 Oct 1907.

**18.619.** *Les végétaux fossiles et leurs enchainements* ... Paris (Éditions de la Revue du Mois ...) 1907. Oct.

*Publ.*: 10 Feb 1907, p. [1]-23. *Copy*: NY. – Reprinted and to be cited from Revue du Mois 3: 129-149. 1907.

**Zelentzky, Nikolaj Michailowitsch** (1859-1923), Russian botanist. (*Zelen.*).

HERBARIUM and TYPES: CHIS, G (Crimean plants), W. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: LS 29548; Tucker 1: 758.

**18.620.** *Matériaux pour l'étude de la flore lichénologique de la Crimée* ... Extrait du Bulletin de l'Herbier Boissier ... 1896. Oct.
*Publ.*: Jul 1896, p. [1]-11. *Copy*: G. – Reprinted and to be cited from Bull. Herb. Boiss. 4(7): 528-538. 1896.

**18.621.** *Matériaux pour l'étude des prêles et des fougères de la Crimée* ... Extrait du Bulletin de l'Herbier Boissier ... 1896. Oct.
*Publ.*: Aug 1896, p. [1]-6. *Copy*: G. – Reprinted and to be cited from Bull. Herb. Boiss. 4(8): 551-555. 1896.

**18.622.** *Matériaux pour l'étude de la flore bryologique de la Crimée* ... Appendix II du Bulletin de l'Herbier Boissier ... 1896. Oct.
*Publ.*: Sep 1896, p. [1]-6. *Copies*: B, G(2). – Reprinted and to be cited from Bull. Herb. Boiss. 4(9) App. II: 603-608. 1896.

**18.623.** *Prodromus florae Tauriae* ... Odessa ... 1906. Oct. (*Prodr. fl. Taur.*).
*Publ.*: 1906, p. [i-iii], [1]-482. *Copy*: H.

**Zeller, Sanford Myron** (1884-1948), American plant pathologist; B.S. Greenville College 1909; A.B. Washington (Seattle) 1912; A.M. 1913; Dr. phil. Washington Univ., St. Louis 1917; fellow Washington Univ., St. Louis 1914-1917; special investigator dendropathology ib. 1917-1919; associate professor plant pathology Oregon State College 1919-1920; assoc. id. 1920-1924; professor id. 1924-1948. (*Zeller*).

HERBARIUM and TYPES: ORE and NY (priv. fungus herb.). – Further material A, K, MIN, UC, W. – *Letters* at FH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 539 (b. 19 Oct 1885, d. 4 Nov 1948); BJI 2: 197; Hawksworth p. 187; Hirsch p. 333; IH 1 (ed. 1): 88, (ed. 2): 111, (ed. 6): 366, (ed. 7): 346; Kelly p. 244; LS suppl. 1556, 4967, 30746-30785; MW p. 549; NW p. 62; Stevenson p. 1263; Tucker 3: 344.

BIOFILE: Anon., Amer. men sci. eds. 3-8. 1921-1949; Index Amer. bot. lit. 1886-1966, 4: 605-607. 1969 (bibl.); J. New York Bot. Gard. 50: 119. 1949 (fungus herb., 3500 specim., acquired).
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EPONYMY: *Zelleromyces* R. Singer et A.H. Smith (1960).

**18.624.** *Rhizopogon in North America* ... Reprinted from Annals of the Missouri Botanical Garden ... 1918. Oct.
*Co-author*: Carroll William Dodge (1895-?).
*Publ.*: Feb 1918, cover-t.p., p. 1-36, *pl. 1-3*. *Copies*: FH, NY, Stevenson. – Reprinted and to be cited from Ann. Miss. Bot. Gard. 5(1): 1-36, *pl. 1-3*. 1918.

**18.625.** *Gautieria in North America* ... Reprinted from Annals of the Missouri Botanical Garden ... 1918. Oct.
*Co-author*: Carroll William Dodge (1895-?).

*Publ.*: Apr 1918, cover-t.p., p. 133-142, *pl. 9*. *Copy*: NY. – Reprinted and to be cited from Ann. Miss. bot. Gard. 5: 133-142. *pl. 9*. 1918.

**18.626.** *Arcangeliella*, Gymnomyces, and Macowanites in North America ... Reprinted from Annals of the Missouri Botanical Garden ... 1919. Oct.
*Co-author*: Carroll William Dodge (1895-?).
*Publ.*: Feb 1919, cover-t.p., p. 49-59. *Copy*: Stevenson. – Reprinted and to be cited from Ann. Miss. Bot. Gard. 6: 49-59. 1919.

**18.627.** *Contributions to our knowledge of Oregon fungi* I ... Reprinted from Mycologia ... 1922. Oct.
*1*: 29 Jul 1922, p. 173-199. – Reprinted and to be cited from Mycologia 14(4): 173-199. 1922.
*2*: 1 Mai 1927, p. 130-143. – Id. 19(3): 130-143. 1927.
*3*: 1 Mar 1929, p. 97-111. – Id. 21(2): 97-111. 1929.
*Copies*: NY, Stevenson.

**18.628.** *Leucogaster and Leucophlebs in North America* ... Ann. Mo. Bot. Gard. 1924.
*Co-author*: Carroll William Dodge (1895-?).
*Publ.*: 22 Mai 1925, p. 389-410, *pl. 11*. – Reprinted and to be cited from Ann. Miss. bot. Gard. 11: 389-410, *pl. 11*. 1924.

**18.629.** *Hysterangium in North America* ... Ann. Mo. Bot. Gard. ... 1929. Oct.
*Publ.*: 13 Mar 1929, cover-t.p., p. 83-128. *pl. 1-3*. *Copy*: NY. – Reprinted and to be cited from Ann. Miss. bot. Gard. 16: 83-128. *pl. 1-3*. 1929.

**18.630.** *Protogaster*, representing a new order of the Gasteromycetes ... Ann. Mo. Bot. Gard. ... 1934. Oct.
*Publ.*: 5 Jun 1934, cover-t.p., p. 231-240. *pl. 8*. *Copy*: Stevenson. – Reprinted and to be cited from Ann. Miss. bot. Gard. 21: 231-240. *pl. 8*. 1934.

**18.631.** *Elasmomyces*, Arcangeliella and Macowanites ... Ann. Mo. Bot. Gard. ... 1936. Oct.
*Co-author*: Carroll William Dodge (1895-?).
*Publ.*: 8 Jan 1937, cover-t.p., p. 599-638. *Copies*: NY, Stevenson. – Reprinted and to be cited from Ann. Miss. bot. Gard. 23: 599-638. 1936.

**18.632.** *Melanogaster* ... Ann. Mo. Bot. Gard. ... 1936. Oct.
*Co-author*: Carroll William Dodge (1895-?).
*Publ.*: 8 Jan 1937, cover-t.p., p. 639-655. *Copies*: NY, Stevenson. – Reprinted and to be cited from Ann. Miss. bot. Gard. 23: 639-655. 1936.

**Zenker, Jonathan Carl** (1799-1837), German (Sachsen) botanist; studied theology (1818-1821), later (1821-1823) natural history and medicine at the University of Jena 1818; private teacher at Dresden 1823; continuing his studies at the medico-surgical school; Dr. phil. Jena 1825, Dr. med. ib. 1825; e.o. professor of natural history at Jena 1828, hon. regular professor in the philosophical faculty 1832, id. medical faculty 1836. (*Zenk.*).

HERBARIUM and TYPES: Unknown. – *Exsiccatae*: (1) (with D.N.F. Dietrich) *Musci thuringici*. Jena 1821-1825,4 fasc. Oct., 25 specimens per fascicle, nos. 1-100; fasc. 1: Aug-Nov 1821, 2: Jun-Nov 1822, 3: Jan-Jul 1823, 4: 1825 (81) p. 238. – Sets at B (mainly destr.), BM, BR, FH, LZ (destr.), M, NY, OXF, PC, W. For further details see below.
(2) *Herbarium florae germanicae*, with D.N.F. Dietrich, see TL-2/1: 651-652 and Zenker & Dietrich (1825).
*Letters* at G, HAL (to D.F.L. von Schlechtendal), UPS-UB (1, to Brönner).

BIBLIOGRAPHY and BIOGRAPHY: ADB 45: 62; Andrews p. 354; Barnhart 3: 539 (b. 1 Mar 1799, d. 6 Nov 1837); BM 5: 2387-2388; Clokie p. 268; CSP 6: 500; Frank 3 (Anh.): 116; GF p. 81; GR p. 55, cat. p. 74; Herder p. 24, 96, 190, 267, 284, 367; Hortus 3: 1207; IF

p. 738; Jackson p. 192, 383; LS 29555-29556; MD p. 238; NI 2195-2197, 3: 69; PR 10465-10470, ed. 1: 11423-11428; Quenstedt p. 473; Rehder 1: 472, 5: 939; SBC p. 135; TL-1/1445; TL-2/2064, 8877, 10.568, 10.846, see indexes; Urban-Berl. p. 318.

BIOFILE: Andrews, R.N., The fossil hunters 303. 1980.
Anon., Brit. Mus. gen. cat. print. books 263: 276. 1966; Cat. gén. livr. impr. Bibl. natl. 230: 460. 1980; Flora 21: 16. 1838 (d.).
Chemnitius, F., Die Botaniker an der Universität Jena 15, 16, 22. 1930.
Günther, J.C., Lebensskizzen Prof. Univ. Jena 1558 bis 1858, Jena 1858, p. 148.
Helm, J., *in* Festschrift Nissen 375-376. 198..
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Sayre, G., Dates publ. musc. 67. 1959.
Schmid, G., Goethe u.d. Naturwiss. 1132, 1993, see p. 601. 1900.
Zenker, "Dr.", Neuer Nekrolog der Deutschen 15(2)(for 1837): 957-966. 1839 (obit.).
Zenker, J.C. & D.N.F. Dietrich, Flora 8(2): 11-16. Jul-Oct 1825 (announcement herb. Fl. germ.).

COMPOSITE WORKS: *Flora jenensis*, p. 258-286 of his Historisch-topographisches Taschenbuch von Jena ... 1836. Oct.

EPONYMY: *Zenkeria* Trinius (1837); *Zenkeria* Arnott (1838); *Zenkeria* H.G.L. Reichenbach (1841). *Note*: *Zenkerella* Taubert (1894), *Zenkerina* Engler (1897) and *Neozenkerina* Mildbraed (1921) honor Georg A. Zenker (1855-1922) German plant collector in Cameroon, W. Africa.

**18.633.** *Musci thuringici* ... fasc. I. Jenae (apud August Schmid) 1821. Oct.
*Co-author*: David Nathaniel Friedrich Dietrich (1799-1888). (*Musci thur.*).
*Fasc. 1*: Sep-Oct 1821 (p. [2]: Aug 1821; Allg. Rep. Neu. Lit. 15 Nov 1821), cover, p. [i], [1]-8, 25 specimens, index on inside of back cover. *Copies*: M, MO, NY(2).
*Fasc. 2-4*: no covers seen; for further details on sets etc. see above under Herbarium and Types, as well as MD and Guédès.
*2*: Jan-Nov 1822 (see MD), specimens 26-50.
*3*: Jan-Jun 1823 (see MD), specimens 51-75.
*4*: 1825 (fide MD; see M. Guédès 1983), specimens 76-100.
*Ref.*: Guédès, M., Arch. nat. Hist. 1(2): 195-206. 1983.
Sayre, G., Mem. New York Bot. Gard. 19(2): 174. 1971.

**18.634.** *Die Pflanzen* und ihr wissenschaftliches Studium überhaupt. Ein botanischer Grundriss zum Gebrauche academischer Vorträge und Selbststudium ... Eisenach (bei Johann Friedrich Bärecke) 1830. Oct. (*Pflanzen*).
*Publ.*: 1830 (p. viii: 23 Aug 1830), p. [i]-xii, [1]-278, [279, err.]. *Copy*: NY.

**18.634a.** *Merkantilische Waarenkunde* oder Naturgeschichte der vorzüglichsten Handelsartikel. Nach den besten Quellen bearbeitet von Jonathan Carl Zenker, ... und durch illuminirte Abbildungen theils nach der Natur, theils nach den besten Originalien erläutert von Dr. Ernst Schenk ... Jena 1831-1835, 9 Hefte. Qu. (*Merkant. Waarenk.*).
*Artist*: Ernst Schenk (1796-1859), see TL-2/5: 138-139.
*1*: 1831, p. [i]-vi, [1]-136, [1], *pl. 1-24*. Published in four Hefte (1): [1]-36, (2): 27-80, (3): 81-104, (4): 105-136.
*2*: 1832, p. [i]-vi, [1]-155, [156, err.], [1], *pl. 25-48*. Published in four Hefte, (1): [1]-24, (2): 25-62, (3): 61-108, (4): 109-155.
*3(1)*: 1835 (all publ.), 26 p., *pl. 49-54* (n.v.).
*Copy*: F (vols. 1-2).

**18.635.** *Beiträge zur Naturgeschichte der Urwelt*. Organische Reste (Petrefacten) aus der Altenburger Braunkohlen-Formation, dem Blankenburger Quadersandstein, jenaischen bunten Sandstein mit böhmischem Übergangsgebirge ... Jena (Druck und Verlag von Friedrich Mauke) 1833. Qu. (*Beitr. Naturgesch. Urwelt*).

*Publ.*: Jan-Apr 1833 (p. vi: Oct 1832; Flora rev. 21 Mai 1833), p. [i]-viii, [1]-67, [68], *pl. 1-6* (coll. copp.). *Copies*: PH, U-UB.

**18.636.** *Plantae indicae* quas in montibus Coimbaturicis coeruleis, Nilagiri S. Neilgherries dictis, collegit Rev. Bernhard Schmid, illustravit ... Jena (August Schmid) Paris (Treuttel et Würtz ...) 1835-1837, 2 decades. Fol. (*Pl. ind.*).

*Decas 1*: 1-22 Mar 1835 (cover dated Feb 1835; Hinrichs 23-28 Mar 1835; Flora 14 Jun 1835, rev. 7 Mai 1836), cover, p. [1]-10. *pl. 1-10* (col. copp.).

*Decas 2*: late 1836 or Jan 1837 (cover so dated in ink in HH copy: covers of Decas I were used with "Decas I" changed in ink to "Decas II" and mdccxxxv to mdccxxvii id.; Flora rev. 28 Feb 1837, see also Flora 20: 369. 1837 as of "1835"), cover, p. [1]-21, *pl. 11-20* (id.).

*Copies*: G (complete), HH (complete), NY (decas 1), Teyler, USDA; IDC 360. – Also treated by us under Bernhard Schmid, see TL-2/5: 10.846 and associated text.

*Ref.*: Steenis-Krusemann, M.J. van, Fl. males. Bull. 15: 743. 1961.

**18.637.** *Flora von Thüringen* und den angrenzenden Provinzen ... Jena (in der Expedition der Thüringischen Flora) und Leipzig in der Niederländischen Buchhandlung) 12 vols., 1836-1855. Oct. (*Fl. Thüringen*).

*Original publication*: in 144 Hefte of *10 unnumbered plates* with text, each between 1836 and 1855 in undated Hefte with cover and with preliminary, also undated, volume titles as given above in the heading.

*Authorship*: Hefte 1-12 by J.C. Zenker (constituting prel. vol. 1), prel. vols. 2-3 by D.F.L. von Schlechtendal; vols. 4-12 by von Schlechtendal and L.E. Langethal.

*Definitive publ.*: in 12 vols, provided with definitive t.p.'s and indexes in which the plates are referred to by numbers not present on the plates themselves. The volumes have the plates arranged in *systematic* order and have indexes.

*General definitive t.p.*: 1855, Leipzig (Druck und Verlag von Friedrich Mauke). – *Flora von Thüringen* und den angrenzenden Provinzen. Herausgegeben von Dr. Jonathan Karl Zenker, ... D.F.L. von Schlechtendal, ... Chr. Ed. Langethal und die Originalzeichnungen nach der Natur gefertigt von Dr. Ernst Schenk, ... mit 1440 [sic] .. [Abbildungen].

[*1*]: 1855, p. [i]-viii, *pl. 1-149*. – Erste Abth. Thalamifl.
*2*: 1855, p. [i]-viii, *pl. 150-280*. – Id.
*3*: 1855, p. [i]-viii, *pl. 284-431*. – Zweite Abtheilung. Calycifloren.
*4*: 1855, p. [i]-viii, *pl. 432-547*. – Id.
*5*: 1855, p. [i]-viii, *pl. 548-644*. – Dritte Abtheilung. Calycanthen.
*6*: 1855, p. [i]-viii, *pl. 645-771*. Id.
*7*: 1855, p. [i]-viii, *pl. 772-891*. – Vierte Abtheilung. Thalamanthen.
*8*: 1855, p. [i]-viii, *pl. 892-979*. – Id.
*9*: 1855, p. [i-viii], *pl. 980-1096*. – Fünfte Abtheilung. Monochlamydeen.
*10*: 1855, p. [i]-viii, *pl. 1097-1204*. – Sechste Abtheilung. Monocotyledonen.
*11*: 1855, p. [i]-viii, *pl. 1205-1318*. – Id.
*12*: 1855, p. [i]-viii, *pl. 1319-1444* [or *1440?*]. – Id. and Anhang.

*Copies*: G, HH, MO, NY.

*Note*: It was not possible for us to establish the order of publication of the plates in the original Hefte. Many details are available (e.g. through Hinrichs) on the dates of publication of the Hefte, but in the absence of a copy in the original order, dating remains impossible. One of the copies at NY has the original t.p.'s but the assigned nos. of the plates are in the order assigned in 1855.

**Zenkert, Charles Anthony** (1886-1972), American botanist; in 1935 research associate in botany at the Buffalo Museum of Science, Buffalo, New York. (*Zenkert*).

HERBARIUM and TYPES: BUF; further in NYS, WELC. – *Letters* at NY (Barnhart corr.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 539 (b. 6 Jul 1886); BL 1: 204, 325; IH 1 (ed. 2): 33, (ed. 3): 57, (ed. 4): 39.

BIOFILE: Anon., Index Amer. bot. lit. 1886-1966. 4: 607. 1969.

House, H.H., Bull. N.Y. State Mus. 328: 75, 96, 97, 126. 1942.
Pennell, F.W. & J.H. Barnhart, Monogr. Acad. nat. Sci. Philadelphia 1: 624. 1935.
Verdoorn, F., ed., Chron. bot. 1: 286. 1935, 2: 339. 1936, 3: 304. 1937, 5: 307. 1939.
Zenkert, C.A., Letter to J.H. Barnhart at NY, 2 Jan 1935.

**18.638.** *The flora of the Niagara frontier region* ferns and flowering plants of Buffalo, N.Y., and vicinity ... Buffalo, New York, ... 1934. Oct. (*Fl. Niagara front. reg.*).
*Publ.*: Aug 1934, p. [i]-x, 1-328, map. *Copies*: BR, G, HH, LIV, MICH, NY, PH, US, Voss. – Issued as Bull. Buffalo Soc. nat. Sci. 16, 1934.
*Supplement*: 1975, p. [i*-iv*], i-iv, 1-62. *Copy*: NY. – *Authors*: C.A. Zenkert and Richard H. Zander. – Issued as Bull. Buffalo Soc. nat. Sci. 16. 1975.

**Zerafa, Stephano** (1791-1871), Maltese physician and botanist; director of the Floriana botanical garden. (*Zerafa*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 539 (d. 25 Mar 1871); BM 8: 1472; Jackson p. 314; PR 10474, ed. 1: 11430; Rehder 1: 451; Saccardo 1: 177.

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Gager, C.S., Brooklyn Bot. Gard. Rec. 27(3): 301-302. 1938.
Grech Delicata, G.C., Fl. melit. xi-xiii. 1853.

**18.639.** *Flora melitensis thesaurus*, sive plantarum enumeratio, quae in Melitae Gaulosque insulis aut indiginae aut vulgatissimae occurrunt: addita, praeter characterem specificum, citatione figurarum, plantarum rariorum statione nec non singularum specierum efflorescentia, duratione, &c. ... Melitae [Malta] (Veneunt ab auctore apud Dupont pharmacopolam in Via Mercanti ...) 1827-1831, 2 fasc. Qu. (*Fl. melit. thes.*).
*Fasc. 1*: 1827, p. [i-iv], 1-36.
*Fasc. 2*: Dec 1831 (p. [40]: 5 Dec 1831), p. [i], [37]-86.
*Copies*: G, HH.
*Ref.*: Bertolini, A., Annali Storia nat., Bologna 2: 358-365. 1829 (rev. fasc. 1).

**Zermann, Chrysostomus Alexander** (*fl.* 1893-1895), Austrian Benedictine clergyman; sometime teacher at the Stiftsgymnasium at Melk. (*Zermann*).

HERBARIUM and TYPES: Unknown.

**18.640.** *Beitrag zur Flora von Melk.* I. [-III]. Theil ... Melk (Selbstverlag des Gymnasiums ...) 1893 (-1895). Oct. (*Beitr. Fl. Melk*).
*1*: Jul-Aug 1893 (p. 116 of Jahresbericht: 15 Jul 1893; ÖbZ for Jul 1893), p. [1]-60 (Flora). – Published in Jahresber. k.k. Stiftsgymn. Benedict. Melk 43: [1]-60. 1893.
*2*: Jul-Aug 1894 (p. 114 of Jahresber.: 14 Jul 1894; ÖbZ for Sep 1894; Nat. Nov. Sep(1) 1894), p. [1]-56. – Id. 44: [1]-56. 1894.
*3*: Jul-Aug 1894 (p. 129 of Jahresber.: 13 Jul 1895; ÖbZ for Sep 1894; Nat. Nov. Oct(1) 1895), p. [1]-62. – Id. 45: [1]-62. 1895.
*Copies*: HH, MO.

**Zetterstedt, Johan** [Janne] **Emanuele** (1828-1880), Swedish botanist; studied at Uppsala (1846), Lund (1848) and Uppsala 1848-1850; Dr. phil. Uppsala 1854, habil. ib. 1855; lecturer in agronomy 1855, in natural history and chemistry at Jönköping's Teacher's College 1863-1880). (*J.E. Zetterst.*).

HERBARIUM and TYPES: UPS. – Further material at AWH, B (mainly destr.), BG, BM, BR (bryo.), C, CBG, CORD, DBN, DPU, E, F, G, GB, GOET, H, LD (4500), M, MANCH, MPU, MW, NY, OXF, P, PC, PH, S, TCD, TUR-V, UPS, US, WRSL. *Exsiccatae*: *Grimmieae et Andreaeae exsiccatae* quas collegit ediditque ... [Upsala 1861], 4 p., 50 nos. Sets at BM, C, G, H, K, MPU, PC, WRSL. – *Letters* to Reichenbach at UPS-UB, to Brotherus, W. Nylander & S.O. Lindberg at H-UB; further letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 540; BL 2: 734 (index); BM 5: 2388-2389; Clokie p. 268; CSP 6: 503, 8: 1299, 11: 883, 12: 802; Frank 3 (Anh.): 116; GR p. 484, cat. p. 74; Herder p. 196, 262, 267; Jackson p. 280, 335, 337, 338, 339; Kleppa p. 144, 151, 265, 288; KR p. 781-783 (b. 23 Apr 1828, d. 18 Feb 1880); LS 29558-29559; PR 10480-10484; Rehder 5: 939; SBC p. 135; SO 2752; TL-2/1886; Tucker 1: 758; Urban-Berl. p. 318.

BIOFILE: Anon., Bonplandia 4: 294, 305. 1856 (to Pyrenees; habil.), 9: 43. 1861; Bot. Not. 1850: 88 (coll. Kinnekulles), 1857: 20 (applied for position at bot. col. Akad.), 39 (stipend trip Pyrenees), 1858: 102 (return to Sweden), 1871: 15 (coll. trip Dovre), 1880: 62-63 (obit.); Bot. Zeit. 14: 696. 1856 (habil. agronomy), 28: 240. 1870 (coll. trip Norway), 38: 510. 1880 (d.); Flora 42: 95. 1859 (stipendium), 63: 242. 1880 (d.); J. Bot. 8: 63. 1870 (will collect in Dovrefjeld, Norway); Leopoldina 17: 207-208. 1881 (obit. not.); Nat. Nov. 2: 54. 1880 (d.); Nord. familjebok 20: 1160. 1934.
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Fries, R.E., Short hist. bot. Sweden 52. 1950.
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Zetterstedt, H., Musci ab J.E. Zetterstedt relicti. Enumeration of mosses, contained in my late husbands collection of duplicates, Jönköping, 15 Mar 1886, 4 p. (*copies*: G, S).

**18.641.** *Kinnekulles Phanerogamer och Ormbunkar*, ... Stockholm (tryckt hos Joh. Beckman, ...) 1851. Oct.
*Publ.*: Jan-Feb, Mar 1851 (in journal), cover, p. [1]-49. *Copies*: G, H, GB. – Reprinted and to be cited from Bot. Not. 1851: 1-42, 49-55. 1851.
*Additions*: Sandahl, O.T., Bot. Not. 1852: 81-87.

**18.642.** *Dispositio muscorum frondosorum* in monte *Kinnekulle nascentium*. Quam venia ampl. Facult. philos. upsal. ... pro gradu philosophico p.p. auctor Joannes Emanuel Zetterstedt ... in Audit. Gustav. cal. Jun mdcccliv h.a.m.s. P.I. Upsaliae (C.A. Leffler, ...) [1854]. Oct. (*Disp. musc. frond. Kinnekulle*).
*Thesis* (*1*): Jun 1854, consisted originally only of the text of part 1, p. [1]-16. *Copy*: NY.
*Thesis* (*2*): Jun 1854 or later (Bot. Not. Mai-Jun 1855, sic), p. [1]-72. – *Copies* with thesis t.p. but containing parts 1-4 (all): B, G, H.
*Commercial ed.*: 1854, p. [i], [1]-72. *Copies*: FH, G, H, MO-Steere.
*Supplement*: 1877, p. 57-80. *Copy*: B. – Öfvers. K. Vet.-Akad. Förh. 34(2): 57-80. 1877.
*Ref.*: Andersson, N.J., Berättelse om bot. arb. 1853 och 1851, 259-260. 1856.

**18.643.** *Nova Drabarum species* ... Holmiae [Stockholm] (typis Johannis Beckman) 1854. Oct.
*Publ.*: Sep-Oct 1854, p. [1]-8. *Copies*: GB, HH, Peterson. – Reprinted and to be cited from Bot. Not. 1854: 151-156.

**18.644.** *Monographiae Andreaearum Scandinaviae tentamen*. Quod venia ampl. Facult. phil. Upsal. p.p. Joh. Eman. Zetterstedt ... et Fr. Joh. Björnström ... in Audit. Gust. min. d. xv Sept. mdccclv h.a.m.s. Upsaliae (C.A. Leffler, ...) 1855. Oct. (*Monogr. Andreaear. Scand. tent.*).
*Co-author*: Fredrik Johan Björnström (1833-1889), see KR p. 88-89.
*Publ.*: 15 Sep 1855, cover, p. [1]-56. *Copies*: BR, FH, G(2), H, M, MO, NY.
*Exsiccatae*: 1861,p. [1-4] list of exsiccatae accompanying this publication: *Grimmieae et Andreaeae exsiccatae*, 1861, see above. Copy of text in G.

**18.645.** *Plantes vasculaires des Pyrénées principales* ... Paris (A. Frank, ...) 1857. Oct. (*Pl. vasc. Pyrén.*).
*Publ.*: 1857 (p. ii: 31 Mar 1857; rev. Bot. Not. 1858), p. [i*-iii*], [i]-lvii, [1]-330, 1 map. *Copies*: G, GB, H, H-UB, HH, NY, USDA.
*Preliminary notices*: Bot. Not. 1856: 155-158, Sv. Vet.-Akad. Öfvers. 13: 231-233. 1856, see also ib. 16: 23-51. 1859.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 16: 198-200, 205-206. 1858.

**18.646.** *Revisio Grimmiearum Scandinaviae* quam venis ampl. Facult. phil. Upsal. ... p.p. Joh. Em. Zetterstedt ... in Audit. Gust. min. d. xxx Jan mdccclxi h.a.m.s. Upsaliae [Uppsala] (typis Edquist et Soo) [1861]. Oct. (*Revis. Grimm. Scand.*).
*Publ.*: 30 Jan 1861, p. [i], [1]-139, [141-146]. *Copies*: BR, FH, G, H, MICH, MO, NY(2), US.
*Exsiccatae*: *Grimmieae et Andreaeae exsiccatae*, 1861, see above. List of exsiccatae in Revis. [p. 143-146].

**18.647.** *Om växtgeographiens Studium.* Afhandling, som jemte theser, med Högvördiga Domkapitlets i Wexiö tillstånd till offentlig granskning framställes af Johan Emanuel Zetterstedt ... Onsdagen den 20 Maj 1863 p.v.t.f.m. Upsala (Edquist & Berglund) 1863. Oct. (*Växtgeogr. Stud.*).
*Publ.*: 18 Mai 1863 (fide KR who notes that copies exist with the date 20 changed to 18 Mai 1863), p. [i], [1]-52, [1-2, theses]. *Copy*: Stevenson.
*Commercial ed.*: Mai 1863 or later, p. [i], [1]-52. *Copies*: H, HM, MO, NY, US.

**18.648.** *Pyreneernas Mossvegetation* i Luchons Omgifningar ... K. Vet. Akad. Handl. [Stockholm 1866]. Qu. (*Pyren. Mossveg.*).
*Publ.*: 1866 (last issue of vol. 5 journ. publ. 1836; submitted 17 Feb 1865), p. [1]-51. *Copies*: BR, FH, H, NY; IDC 542 (C85-C86). – Issued as K. Sv. Vet.-Akad. Handl. 5(10). 1866.
*Hepaticae pyrenaicae* circa Luchon crescentes ... Öfv. Sv. Vet.-Akad. Förh. 32(2): 13-24. 1875.

**18.649.** *Om Vegetationen i de höglandtaste trakterna af Småland* ... K. Vet. Akad. Handl. [Stockholm 1867]. Qu. (*Veg. högl. trakt. Småland*).
*Publ.*: 1867 (jounal issue printed 1867 fide KR; submitted 28 Nov 1865), p. [1]-37. *Copies*: G, H, HH, H-UB, MO, Peterson; IDC 592 (C96-C97). – Issued as K. Sv. Vet.-Akad. Handl. 6(2). 1867. See KR p. 781, no. 8 for an extract of the part on mosses.

**18.650.** *Några mosor från Nya Holland* ... Öfversigt af Kongl. Vetenskap-Akademiens Förhandlingar 1867. Oct.
*Publ.*: Oct-Dec 1867 (read 9 Oct 1867), p. 571-576. *Copy*: BR. – Reprinted and to be cited from Öfv. K. Vet.-Akad. Förh. 1867(8): 571-576.

**18.651.** *Musci et Hepaticae Oelandiae* ... Upsaliae (Excudit Ed. Berling reg. Acad. typographus) 1869. Qu. (*Musci Hepat. Oeland.*).
*Publ.*: 1869 (read 5 Oct 1868; t.p. dated 1869), p. [i], [1]-47. *Copies*: B, BR, FH, G, H, Peterson. – Issued as Nov. Act. Soc. Sci. Ups. ser. 3. 7(1). 1869.

**18.652.** *Minnesord öfver Carl von Linné*, ... [Jönköping (Jönköpings Tryckeribolag) 1874]. Oct.
*Publ.*: 1874, p. [1]-24. *Copy*: Peterson. – Reprinted and to be cited from Redogör. Jönköpings högr. Elem.-Läroverk. 1873-1874: 1-23.

**18.653.** *Om växtligheten på Vestergötlands siluriska berg* med särskild hänsyn till mossvegetationen ... Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar 1876. Oct.
Publ.: 1876, p. 43-71. *Copies*: BR, Peterson. – Reprinted and to be cited from Öfvers. K. Vet.-Akad. 33(1): 43-71. 1876.

**18.654.** *Musci et Hepaticae Finmarkiae* circa Sinam altensum crescentes ... Stockholm (Kongl. Boktryckeriet, ...) 1876. Qu. (*Musc. Hepat. Finmark.*).
*Publ.*: 1876, p. [1]-42. *Copies*: B, BR, FH, G, H, NY, US; IDC 542 (C276-C278). – Issued as K. Sv. Vet.-Akad. Handl. 13(13). 1876.

**18.655.** *Musci et Hepaticae Gotlandiae* ... Stockholm (P.A. Norstedt & Söner ...) 1876. Qu. (*Musc. Hepat. Gotl.*).
*Publ.*: 1876, p. [1]-42. *Copies*: BR, FH, H, NY, US. – Issued as K. Sv. Vet.-Akad. Handl. 13(14). 1876.

**18.656.** *Hepaticae Kinnekullenses* ... Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar 1877. Oct.
*Publ.*: 1877, p. 43-56. *Copy*: B. – Reprinted and to be cited from K. Vet.-Akad. Förh. 1877(2): 43-56.

**18.657.** *Flora bryologica montium Hunneberg et Halleberg* ... Stockholm (P.A. Norstedt & Söner ...) 1877. Qu. (*Fl. bryol. Hunneberg*).
*Publ.*: 1877 (read 9 Mai 1877), p. [1]-35. *Copies*: BR, FH, G, H, NY, US; IDC 542 (C136-C317). – Issued as K. Vet.-Akad. Handl. 15(1).

**18.658.** *Vegetationen på Visingsö* ... Stockholm (P.A. Norstedt & Söner ...) 1878. Oct. (*Veg. Visingsö*).
*Publ.*: 1878 (read 13 Mar), p. [1]-86. *Copies*: B, G, HH, U; IDC 7670 (55-57).
*Additions*: Bot. Not. 1879: 159-160. 3 Nov 1879.

**Zetterstedt, Johan Wilhelm** (1785-1874), Swedish entomologist and botanist; studied at Lund 1805-1808; Dr. fil. ib. 1808, Dr. med. h.c. ib. 1868; botanical lecturer ib. 1810, botanical demonstrator 1812, professor's title 1822; secretary of the University of Lund 1828-1836; professor of botany and agronomy ib. 1839-1853. (*J.W. Zetterst.*).

HERBARIUM and TYPES: GB (2000 mosses in gen. herb.; c. 3500 phan. & crypt. partly coll. by Acharius, Sparrman, Swartz, Thunberg, Westring). – Further material at B (mainly destr.), LD (musci). – *Correspondence*: LD-UB; further letters af Göteborgs K. Vet.-Vitt.-Samhälle.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 540; BM 5: 2389; Bossert p. 449; CSP 6: 503; GR p. 504; Jackson p. 445; Kleppa p. 236; KR p. 783-784 (b. 20 Mai 1785, d. 23 Dec 1874); PR 10476-10479, ed. 1: 11433-11436; Rehder 5: 940; TL-2/9090; Urban-Berl. p. 412.

BIOFILE: Aberstén, S., Göteborgs K. Vet.-Vitt.-Samh. Handl. ser. 4. 32(2): 30. 1928.
Almborn, O., Bot. Not. 133: 455. 1980.
Anon., Bonplandia 4: 59. 1856 (retirement); Bot. Not. 1840: 16 (decoration), 96 (trip to Jemtland), 176 (return), 1841: 158 (trip to Gotland), 1875: 29-30 (obit.), 191 (d.); Entom. mon. Mag. 11: 211. 1875 (obit.); Flora 15(2): 576. 1832 (exp. N. Scandin.), 20(1): 175. 1837 (app. Lund), 23(1): 173. 1840 (def. app. Lund), 24(1): 48. 1841 (trip Jemtland), 39(1): 14. 1856 (retirement).
C.A.D., Entom. Zeit. Stettin 36(4-6): 192-193. 1875 (obit.).
Dahl, O., Nyt. Mag. Nat.-Vid. Oslo 69: 30-34. 1934 (portr.).
Gertz, O., K. Fysiogr. Sälssk. Lund 1772-1940: 35, 54, 112, 197, 363. 1910 ; Bot. Not. 1944: 223-236 (biogr., mentions annotated copy of his Consp. pl. hort. Lund).
Högrell, B., Bot. hist. öfvers. 244. 1886.
Lichtenstein, Ann. Soc. entom. France ser. 5. 5: 9-10. 1875 (obit.).
Löwegren, Y., Naturalienkabinett Sver. 1700-talet. 370. 1952 (zool. coll. Lund).
Malm, A.W., Göteb. Handels-Sjöfartstidn. 26 Jan 1875 (obit.).
Pée-Laby, E., Bull. Soc. Ramond 30: 309-320. 1895 (work Pyrenees).
T-d, B. & S. Lindman, Sv. män kvinn. 8: 471-472. 1955.
T-dh, I., *in* Nordisk familjebok 20: 1160-1161. 1934.
Törje, A., Bot. Not. 111: 74. 1958 (coll.).
Wittrock, V.B., Acta Hort. Berg. 3(2): 77-78, *pl. 6.* 1903, 3(3): 60. 1905 (on portr.).

COMPOSITE WORKS: Defendens, A.J. Retzius, *Pl. cibar. roman.* 1808, TL-2/9090.

TRAVEL ACCOUNTS: See KR p. 783, nos. 2, 3, 4.

**18.659.** *Dissertatio de foecundatione plantarum* cujus partem primam, consensu amplissimi ordinis philos. Lund publico examini subjiciunt praeses Joh. Wilh. Zetterstedt, ... et respondens Gustavus Wahlenberg, ... in Lyceo Carolino die 18 Aprilis 1810. Lundae (Literis Berlingianis) [1810]. Qu. (*Diss. foecund. pl.*).
*1*: 18 Apr 1810, p. [1]-22. *Copy*: KVA.
*2*: 30 Mai 1812, p. [1]-12 [i.e. 13-32]. *Copies*: H, Peterson. – Respondens: Lorentz Fred. Westman.
*3*: 30 Mai 1812, p. [i-iv], 33-42. *Copies*: H, Peterson. Respondens: Isac Twist.

**18.660.** *Conspectus plantarum in horto botanico* et plantatione universitatis *Lundensis* praecipue annis 1834-1837 obviarum ... Lundae (Typis excudit Carolus Fr. Berling, ...) 1838. Oct (in 4-s). (*Consp. pl. hort. Lund.*).
*Publ.*: 1838 (Hinrichs rd. by 15 Sep 1838; Flora 21 Oct 1838), cover, p. [i-ii], [1]-109. *Copy*: NY. – For annotated copy see Gertz (1944).

**Zeyher, Carl Ludwig Philipp** (1799-1858), German (Hessen) plant collector; with F. Sieber to Mauritius 1822 and (without Sieber) at the Cape of Good Hope 1822-1823; collecting alone in S. Africa 1825-1828, in collaboration with C.F. Ecklon 1829-1838; in the interior of South Africa with John Burke 1842-1843; in Namaqualand 1843; in London and Hamburg 1843-1847; botanist at the botanical garden at the Cape 1849-1851. (*Zeyh.*).

HERBARIUM and TYPES: SAM. – Further material (see also IH 2: 176) in A, AWH, B (mainly destr.), BHU, BM, BR, C, CAS, CGE, DBN, DS, E, FI, FR, G, GE, GH, GOET, GRA, GZU, H (300), HAL, HBG, K, KIEL, L, LE, LIVU, LZ, M, MANCH, MO, MW, NBG, NCY, O, OXF, P, PC, PH, PR, PRE, S, SAM, STE, US, W, WRSL, WU. – *Letters* at K.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 568, 5(1): 408; Barnhart 3: 540; BM 2: 504, 5: 2389; Clokie p. 161-162, 268-269; Herder p. 158, 217; Hortus 3: 1207; IH 1 (ed. 2): 17, (ed. 3): 18, (ed. 6): 366, (ed. 7): 344, 2: 176; Lasègue p. 588 [index]; PR (alph.) 2610, ed. 1: 2901; Rehder 1: 494; TL-1/331, see C.F. Ecklon; TL-2/1621, 4038, 5925, see indexes; Tucker 1: 758; Urban-Berl. p. 270, 292, 318, 412; Zander ed. 10, p. 735, ed. 11, p. 746, 839.

BIOFILE: Anon., Bonplandia 3: 35. 1855 (cogn. Leopoldina Bergius), 5: 353-354. 1857, 6: 55. 1858 (id. "Bergius III"), 7: 21. 1859 (d.), 10: 353. 1862 (d.); Bot. Zeit. 1: 303. 1843 (to Clanwilliam), 4: 400. 1846 (in Hamburg), 17: 32. 1858 (d.); Flora 26(1): 293. 1843 (Iridaceae in garden, Cape), 27(2): 718. 1844 (garden), 29(1-2): 527. 1846 (in Hamburg), 42: 95. 1859 (d.); J. Bot. 34: 117-119. 1896 (reprint of account of "Cape Herbarium" in Cape Times 16 Oct 1895; e.g. on Zeyher colls.).
Baur, K., Jahrb. Gesch. Oberdeut. Reichsst. 16: 246. 1970.
Bocquet, G. & H. Kiefer, Ber. schweiz. bot. Ges. 88: 7-19. 1978 (on Ecklon-Zeyher coll. at NBG).
Bullock, A.A., Bibl. S. Afr. bot. 132. 1978.
Dietrich, F.C., Jahrb. K. bot. Gart. Berlin 1: 286-288. 1881.
Drège, J.F., Linnaea 19(5-6): 583-680. 1847 (localities), 20(2): 183-257. 1847 (id.).
Ecklon, C.F., Flora 16(2): 476-480. 1833 (report on travels); Linnaea 8: 390-394. 1833 (on coll.).
Foster, R.C., Contr. Gray herb. 155: 62-64. 1945.
Götz, Gartendirektor Johann Michael Zeyher, Schwetzingen 1984, p. 123-126 (bibl. of papers on Zeyher; coll., relation with J.M. Zeyher).
Gunn, M. & C.F. Codd, Bot. Expl. S. Afr. 383-387, 388-393. 1981 (details on itin. coll.).
Hooker, W.J., London J. Bot. 2: 163-165. 1843 (report on coll.), 5: 242. 1846; Kew J. Bot. 2: 61-62. 1850.
Nordenstamm, B., Taxon 29: 279-291. 1980 (Z. coll. at S.).

Rosenthal, E., S. Afr. dict. natl. biogr. 429. 1966.
Sayre, G., Mem. New York Bot. Gard. 19(3): 418-419. 1975.
Seemann, B., Phytologist 4: 394-396. 1852.
Vos, M.P. de, Stand. encycl. S. Afr. 2: 580-581. 1975.
Wagenitz, G., Index coll. princ. Herb. gott. 186. 1982.
Weidner, H., Abh. Verh. Naturw. Ver. Hamburg ser. 2. 9 (suppl.): 136 (Gesch. Entom. Hamburg).
White, A. & B.L. Sloane, Stapelieae ed. 1: 24, 125, 132, 156, 162. 1933, ed. 2: 99, 105, 751, 801, 1032, 1083. 1937.
Wikström, J.E., Årsberätt. bot. arbet. 1833: 170-174. 1834 (travels, coll.).
Zeyher, C.C.P., *in* W.J. Hooker, London J. Bot. 5: 109-134, 333-344. 1846, 7: 326-334, 362-370. 1855 (botanical notices on travels).

COMPOSITE WORKS: With Christian Friedrich Ecklon, *Enum. pl. afric. austral.* 1835-1837, TL-2/1621.

HANDWRITING: Gunn, M. & L.E. Codd, Bot. Expl. S. Afr. 384, 385. 1981.

EPONYMY: *Zeyherella* (Pierre ex Engler) Aubreville et Pellegrin (1958).

**Zeyher, Johann Michael** (1770-1843), German (Bavarian) botanist and horticulturist; educated at Ansbach (Bavaria), spent some time in Basel; head-gardener at the garden of the grand-duke of Baden at Schwetzingen 1804, director ib. 1806-1843. (*J. Zeyh.*).

HERBARIUM and TYPES: KR (fide Lasègue p. 461). – A considerable number of plants collected by him (or by others for him) in southern France, the Eastern Pyrenees, N. America and Sicily at UPS-Thunb. Other material at H (as in UPS-Thunb.), FR, REG(?). – *Letters* to Steudel at UPS-UB (fide Lack & Sydow), further letters at G. – See also Götz 1984.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 568, 5(1): 408; Backer p. 634; Barnhart 3: 540 (b. 26 Nov 1770, d. 20 Apr 1843); BM 5: 2389; Frank 3 (Anh.): 116; Herder p. 168; Jackson p. 431; Lasègue p. 333, 461 (all locations mentioned for J.M. and not for C.L.P. Zeyher?); PH 438; PR 10485-10487, ed. 1: 11437-11439; Rehder 1: 45; TL-2/see C.P. Thunberg; Tucker 1: 758.

BIOFILE: Anon., Bonplandia 8: 34. 1860; Bot. Zeit. 1: 440, 520. 1843 (d.); Flora 26(1): 293. 1843 (d.), 26(2): 572 (herb. acquired by the Grand-Duke of Baden; will be located in Karlsruhe), p. 673-681 (obit. from Karlsruher Zeitung). 1855.
Barnhart, J.H., Bartonia 16: 36. 1934.
Götz, H., Gartendirektor Johann Michael Zeyher, Schwetzingen 1984, 145 p. (biogr., portr., corr., bibl.).
Ilg, W., Hoppea 42: 100. 1984 (possibly confused with C.L.P. Zeyher or plants stemming from the latter through the former).
Lack, H.W. & C.-O. von Sydow, Willdenowia 14: 446. 1984 (letters to Steudel and Lehmann at UPS-UB).

NOTE: For the family relationship see Götz (1984, p. 7: J.M. Zeyher was a grandson of Johann Leonhard Z., C.L.P. Zeyher a great grandson of the same; C.L.P. Zeyher's grandfather was a brother of J.M.'s father).

EPONYMY: *Zeyheria* C.F.P. Martius (1826); *Zeyheria* A. Sprengel (1828).

**18.661.** *Verzeichniss sämmtlicher Bäume und Sträucher*, in den Grossherzoglich-Badischen Gärten zu Carlsruhe, Schwezingen und Mannheim ... Mannheim (gedruckt mit Bürgerspitals-Schriften) 1806. Oct. (*Verz. Bäume Sträuch.*).
*Publ.*: 1806, p. [1]-48. *Copy*: M.

**18.662.** *Beschreibung der Gartenanlagen zu Schwetzingen* ... Mannheim (Im Verlage der H. Benderischen Buchhandlung) 1809. Oct. (*Beschr. Gart.-Anl. Schwetzingen*).

*Co-author*: G.[R.] Roemer.
*Publ.*: 1809, p. [i-ii], frontisp., engr.-t.p., [iii]-viii, [1]-96, [97-98], *5 pl.* (uncol. copp.), plan. *Copy*: HH. Pritzel (ed. 2, 10485) mentions viii, 96, 95 p. and *8 pl.* We saw only the copy at HH.
*Other ed.*: s.d., only seen in facsimile edition 1983, p. [i*-iii*], [i]-vi, [1]-103, *pl.* [*1-6*], [135]-155, [157, colo. 1983]. *Copy*: Univ. Arizona. – Contains a folded map inside back cover. – "Beschreibung ... Schwetzingen mit 9 Kupfern u. einem Plane des Gartens ... Neue verbesserte Auflage. Mannheim (In der Schwan u. Götzischen Buchhandlung) s.d.

**18.663.** *Verzeichniss der Gewaechse in dem* Grossherzoglichen *Garten zu Schwetzingen* ... Mannheim (In der Schwann- und Goetzischen Buchhandlung) 1819. Oct (in 4-s). (*Verz. Gew. Gart. Schwetzingen*).
*Publ.*: 1819, cover, p. [1]-207. *Copy*: HH. – *Original issue*: 1818, p. [1]-207. *Copy*: M. – *Verzeichniss der saemmtlichen Gewaechse* in dem grossherzoglichen Baaden'schen Garten zu *Schwezingen*. Herausgegeben von dem Garten-Director Zeyher [s.l.] 1818.

**Zickendrath, Ernst** (1846-1903), German (Hessen-Nassau) botanist, later active in Russia; Dr. phil. Würzburg 1875. (*Zick.*).

HERBARIUM and TYPES: MHA(?). Further material in B (mainly destr.), BP, E, GOET, H, L, PC, WRSL. – *Letters* to F. Renauld at P, 44 letters to Brotherus at H-UB.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 540 (b. 2 Mai 1846, d. 23 Oct 1903); BM 5: 2390; CSP 19: 782; SBC p. 135; Urban-Berl. p. 318.

BIOFILE: Anon., Allg. bot. Z. 9: 196. 1903 (d. 5 Nov 1903); Hedwigia 42: (349). 1903 (d. 23 Oct/5 Nov in Moscow).
Sayre, G., Bryologist 80: 521. 1977.
Tkemepamvili, I., Acta Horti Univ. Jurj. 5: 59-64. 1905 (obit.).
Zittel, K.A. von, Gesch. Geol. Paläont. 402. 1899.

**18.664.** *Der Kersantit von Langenschwalbach* in Nassau. Inaugural-Dissertation zur Erlangung der Doctorwürde vorgelegt der hohen Philosophischen Facultät der Universität Würzburg ... Würzburg (Druck und Verlag der Stahel'schen Buch- und Kunsthandlung) 1875. Oct. (*Kersantit Langenschwalbach*).
*Publ.*: 1875, p. [i]-iv, [5]-32. *Copy*: PH.

**18.665.** Kurzer *Bericht über die im Gouvernement Jaroslawl und Wologda* in den Jahren 1891 und 1892 *gemachten* geologischen u. botanischen *Excursionen* ... [Extrait du Bulletin de la Société Impér. des Naturalistes de Moscou ... 1892]. Oct.
*Publ.*: Oct-Dec 1892 (p. 9: 8/20 Sep 1892), p. [1]-9. *Copy*: H. – Preprinted or reprinted and to be cited from Bull. Soc. Natural. Moscou 6: 441-449. 1892 [complete journal issue publ. 1893].

**18.666.** *Beiträge zur Kenntniss der Moosflora Russlands* ... Moskau 1894. Oct.
*1*: 1894 (t.p. 1894; p. 56: 14/28 Dec 1893), cover, loose errata-sheet, p. [1]-56. – Preprinted or reprinted from Bull. Soc. Natural. Moscou 8(1): 1-56. 1894 [8(1) publ. 1894; completed vol. 8 publ. 1895].
*2*: 1901 (t.p. 1901; p. 126: 27 Oct 1900; AbZ 15 Jul 1901; Nat. Nov. Apr(1) 1902), p. [1]-126. – Id. 14(3): [241]-366. 1901 [for 1900].
*Copies*: B, G, H, MO, NY.

**Ziegenspeck, Hermann [Robert Theodor]** (1891-1959), German (Bavarian) botanist and pharmacist; studied at Jena; Dr. phil. 1916; Pharmac. State Exam. 1919; Habil. Königsberg 1925; lecturer and assistant with C. Mez at the Botanical Institute of the University of Königsberg i. Pr. 1924-1932; pharmacist at Augsburg 1932-1944, in Kötzting 1944-1949; from 1949 again at Augsburg. (*Ziegensp.*).

HERBARIUM and TYPES: Destroyed in 1944. – *Letters* in G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 540 ((b. 28 Aug 1891); Biol.-Dokum. 19: 10297-10298; GR p. 157; Hirsch p. 334; LS suppl. 6785, 9048-9054; NI 3: 21; TL-2/11.174, see C.C. Mez; Tucker 3: 344.

BIOFILE: Anon., Hedwigia 65: (196). 1925 (habil. Königsberg).
Pfeiffer, H.H., Ber. deut. bot. Ges. 72(2): (48)-(54). 1959 (obit., portr., bibl.).
Verdoorn, F., ed., Chron. bot. 2: 32. 1936, 4: 108. 1938.
Ziegenspeck, H., Abh. naturw. Ver. Schwaben 1: 149-178. 1957 (autobiogr., portr., list of research subjects).

**18.667.** *Über die Entwicklungsgeschichte von einheimischen Orchideen.* Antrittsvorlesung ... [s.l.] 1927. Oct.
*Publ.*: 1927, cover-t.p., p. 1-11. *Copy*: M. – Reprinted and to be cited from Ber. naturw. Ver. Schwaben 45: 155-165. 1927.

**18.668.** *Morphologische Untersuchungen über die Phylogenie der Laubmoose* ... Leipzig (Akademische Verlagsgesellschaft) 1929.
*Co-author*: W. Stepputat.
*Publ.*: 1929, p. [i], [1]-127. *Copies*: FH, HH. – Reprinted and to be cited from Bot. Arch. 24(1-2): 1-129. 1929.

**Zigno, Achille de** (1813-1892), Italian private palaeobotanist of ample means mostly residing at or near Padova. (*Zigno*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Andrews p. 354; Barnhart 3: 541; BM 5: 2391; Bossert p. 449; CSP 6: 507-508, 8: 1302, 11: 885-886, 12: 804, 19: 786; De Toni 1: cxxxvi; Herder p. 354; Jackson p. 177, 179, 180; LS 29566; Morren ed. 10, p. 85; PR 10492-10496, ed. 1: 11444; Quenstedt p. 474, 491; Saccardo 1: 177; TL 2/9882.

BIOFILE: Anon., Boll. Soc. geol. ital. 11 (for 1892): 624-657. 1893 (obit., bibl., b. 14 Jan 1813); Boll. R. Com. geol. Italia 23: 96-99. 1892 (biogr.sketch, list publ.); Quart. J. Geol. Soc. 48 (Proc.): 60. 1892 (obit. not., d. 15 Jan 1892); Rassegna Sci. geol. Italia 2(1-2): 109-111. 20 Aug 1892, 2(4): 324-327. 1893 (bibl.); Verh. k.k. geol. Reichsanst. 1892(3): 57-58. 1892 (obit.).
Bassani, F., Rendic. R. Accad. Sci. fis. mat. Napoli ser. 2. 6: 22-23. 1892 (obit. not.).
Cesati, V., Saggio bibl. algol. ital. 418-419. 1882.
Saccardo, P.A., Storia Lett. Fl. veneta 83, 171. 1869.
Zittel, K.A. von, Gesch. Geol. Paläont. 868 [index]. 1899.

EPONYMY: *Zignoa* Trevisan (1842); *Zignoella* P.A. Saccardo (1878). *Note*: *Zignoina* M.C. Cooke (1885) was probably named for this author but no etymology was given.

**18.669.** *Flora fossilis formatione oolithicae.* Le piante fossili dell'oolite descrittè ed illustrate ... Padova (Dalla Tipografia del Seminario) 1856-1885, 2 vols. Qu. (*Fl. foss. oolith.*).
*1*: 1856-1868, p. [i]-xvi, [1]-223. *pl. 1-25* (col. liths. Prosdocimi, Fr. Kirchmayer).
(*1*): 1856, p. [1]-32, *pl. 1-6.*
(*2*): 1858, p. 33-64, *pl. 7-12.*
(*3-5*): 1867 (t.p. 1868; Andrews : 1867), p. 65-223, *pl. 13-25.* 1867.
*2*: 1873-1885.
(*1*): 1873, p. 1-48, *pl. 26-29.*
(*2*): 1881 (Bot. Centralbl. 2-26 Aug 1881), p. 49-80, *pl. 30-33.*
(*3*): 1881 (Bot. Zeit. 31 Mar 1882; Bot. Centralbl. 27 Feb-3 Mar 1882), p. 81-120, *pl. 34-37.*
(*4-5*): 1885, p. 121-203, *pl. 38-42.*
*Copies*: G, Heerlen, NY, Teyler; IDC 126.
*Ref.*: Saccardo, P.A., Atti Ist. venet. Sci. nat. ser. 3. 13. 1562-1584. 1868 (see TL-2/9882).

**18.670.** *Osservazioni sulle felce' fossili dell'Oolite* ed enumerazione delle specie finora rinvenute nei varii piani di quella formazione coll'aggiunta dei sinonimi, della descrizione dei generi e delle specie nuove, e di un prospetto della loro distribuzione geografica ... Padova (Tipografia di G.B. Randi) 1865. Oct. (*Osserv. felce foss. Oolite*). *Publ.*: 1865, p. [3]-40, folded table. *Copy*: US.

**Zigra, Johannes Hermann** (1775-1857), German (Lübeck) botanist and horticulturist at Riga. (*Zigra*).

HERBARIUM and TYPES: Unknown; some material at MW.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 541 (b. 19 Jul 1775, d. 5 Jan 1857); BM 5: 2391; Herder p. 382, 395; PR 10497, ed. 1: 11445-11453; Rehder 5: 940; TR 1626-1628; Tucker 1: 758.

**18.671.** *Dendrologisch-öconomisch-technische Flora* der im Russischen Kaiserreiche bis jetzt bekannten Bäume und Sträucher nebst deren vollständigen Cultur im Kleinen und Grossen und einem Anhange, eine tabellarische Uebersicht der bei uns acclimatisirten nordamerikanischen Baumarten enthaltend ... Dorpat (gedruckt bei Lindfors Erben) 1839, 2 vols. Oct. (*Dendrol.-öcon.-techn. Fl.*).
*1*: 1839 (censor p. [ii*]: 31 Mar 1836), p. [i*-ii*], [i]-vi, [7]-461.
*2*: 1839 (censor p. [ii]: 31 Mar 1836; Flora rd. 1 Jun-1 Dec 1840), p. [i]-iv, [1]-393. *Copies*: HH, NY.

**Zillig, Hermann** (1893-1952), German (Franconian) botanist and phytopathologist; studied at the University of Würzburg 1912-1915; on active service 1915-1918; studying meteorology 1919-1920; assistant at the Botanical Institute of Würzburg 1920-1921; Dr. phil. 1920; with the Biologische Reichsanstalt für Land- und Forstwirtschaft at Trier 1921-1926, at Bernkastel-Kues 1926-1952. (*H. Zillig*).

HERBARIUM and TYPES: Unknown. – *Exsiccatae*: *Ustilagineen Europas*, Lief. 1-14, nos. 1-140, Trier 1925-1935. Sets at B (extant), BPI, CUP, FH, G, H, UPS, W. – Nos. 1-40 mentioned in Hedwigia 11 Jun 1925, 41-70. 11 Jan 1926, 71-100. Mai 1927, 101-120, rd. FH Jun 1932, 121-140. 25 Jan 1935 (Hedwigia). See D.H. Pfister (1985). – A series *Ustilagineae of North America* was never issued (see Stevenson 1971, p. 528).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 541 (b. 21 Apr 1893); BFM 1332; Biol.-Dokum. 19: 10311-10312; Kelly p. 244-245; LS suppl. 30875-30891; TL-2/12.459.

BIOFILE: Degener, H.A.L., Wer ist's ed. 10. 1785-1786. 1935.
Kneitz, G., Abh. naturwiss. Ver. Würzburg 11: 97-106. 1970 (biogr. sketch, portr.).
Pfister, D.H., Mycotaxon 23: 112, 131. 1985.
Sartorius, O., Ber. deut. bot. Ges. 68a: 70. 1955 (obit. not.).
Schaffnit, Pflanzenschütz 4: 152. 1952 (obit.).
Stevenson, J., Beih. Nova Hedwigia 36: 528. 1971.

COMPOSITE WORKS: Contributed to P. Sorauer, Handb. Pfl.-Krankh. ed. 4. 3. 1923, see TL-2/12.459, also reprinted: *Ustilagineen* (Brandpilze) von Dr. H. Zillig, Sonderabdruck ... 1932, cover-t.p., p. [134]-281. *Copy*: G.

**Zimmermann, [Philipp Wilhelm] Albrecht** (1860-1931), German (Braunschweig) botanist; studied natural sciences at Tübingen, Berlin, Würzburg and Leipzig; Dr. phil. Leipzig 1881; assistant with Schwendener at the Berlin Institute for plant physiology 1881-1883 and with L. Kny at the botanical Institute of the Berlin Agricultural College 1883-1884; lecturer at the University of Leipzig 1885; id. Tübingen 1888, e.o. professor of botany ib. 1894; habil. Berlin 1895 and lecturer ib.; botanist at the Coffee culture experiment station at Buitenzorg, Java 1896; botanist and asst. director at the biological-agronomical institute at Amani (E. Africa) 1902-1920; professor of botany at the Forestry College Hann. Münden 1921, director of the botanical laboratory of the

Biological State Institute for Agriculture and Forestry, Berlin-Dahlem 1922-1925; in retirement continuing his work on colonial botany. (*A. Zimmerm.*).

HERBARIUM and TYPES: Material in B (mainly destr.), BM, MO. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 634; Barnhart 3: 541 (b. 3 Apr 1860, d. 23 Feb 1931); BJI 1: 65, 2: 197; BM 5: 2391, 8: 1475; Bossert p. 449; CSP 11: 886; Hirsch p. 334; Lipschitz 14.298, 29.575-29.594, 40.830-40.838a; Moebius p. 171, 458 [index]; Rehder 5: 940-941; SBC p. 1263; SK 1: 591; TL-2/10.562; Tucker 1: 758, 3: 345; Urban.-Berl. p. 284, 412.

BIOFILE: Anon., Ber. deut. bot. Ges. 49: 83. 1931 (d.); Bot. Centralbl. 21: 192. 1885 (habil. Leipzig), 34: 32. 1888 (asst. Tübingen), 59: 255. 1894 (e.o. prof. bot. Tübingen), 60: 384. 1894 (will spend winter in Jena), 64: 447. 1895 (habil. Berlin), 67: 352. 1896 (app. Buitenzorg), 101: 80. 1906 (app. Amani); Hedwigia 33: (112). 1894 (e.o. prof. Tübingen), 35: (35) (habil. Berlin), (127) (app. Buitenzorg). 1896, 45: (127). 1906 (app. Amani), 66: (119). 1926 (to Berlin-Dahlem), 71(1): (108)(d.); Nat. Nov. 16: 382. 1894 (e.o. prof. Tübingen), 18: 70. 1896 (habil. Berlin), 244 (id.), 421 (called to Buitenzorg). 1896, 24: 211. (to Dar-es-Salaam [i.e. Amani]), 363 (Amani). 1902, 28: 132. 1906 (app. Salatiga [not correct]; Österr. bot. Z. 44: 404. 1894 (app. Tübingen), 56: 77. 1905 (app. Salatiga [not correct], 74: 288. 1925 (to Berlin-Dahlem), 80: 176. 1931 (d.).
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Correns, C. & H. Morstatt, Ber. deut. bot. Ges. 49: (220)-(243). 1931 (biogr., portr., bibl.).
Degener, H.A.L., Wer ist's eds. 4-10. 1909-1935.
Harms, H., Ber. deut. bot. Ges. 48: 90-93. 1930 (70th birthday).
Schmid, B. & C. Thesing, Biol. Kalend. 1: 357. 1914.
Wittrock, V.B., Acta Horti Berg. 3(3): 157. *pl. 130.* 1905.

COMPOSITE WORKS: *Morphologie und Physiologie der Planzenzelle, in* A. Schenk, *Handb. Bot.* 3(2): 497-700. 1887, see TL-2/10.561. – Also separately (with orig. pag.), 223 p., fide Bot. Zeit. 24 Jun, 26 Aug 1887.

EPONYMY: *Zimmermannia* Pax (1910); *Zimmermanniella* Hennings (1902). *Note*: *Zimmermanniella* B.V. Skvortzov (1969) honors Prof. Leonardo Zimmermann, Brazilian botanist.

**18.672.** *Ueber mechanische Einrichtungen zur Verbreitung der Samen und Früchte* mit besonderer Berücksichtigung der Torsionserscheinungen. Inaugural-Dissertation der hohen philosophischen Facultät der Universität Leipzig zur Erlangung der Doctorwürde vorgelegt von Albrecht Zimmermann ... Berlin (Druck von G. Bernstein) 1881.
*Publ.*: Aug 1881 (Nat. Nov. Sep(1) 1881; Bot. Zeit. 7 Oct, 25 Nov 1881; Flora 21 Nov 1881), p. [1]-40, [41, vita], *pl. 34-36* (col. liths. auct.). *Copies*: B, H, M. – Reprinted and to be cited from Jahrb. wiss. Bot. 12: 542-577. 1881.

**18.673.** *Beiträge zur Erklärung der Anisotropie der organisierten Substanzen.* Habilitationsschrift, durch welche mit Zustimmung der hohen Philosophischen Facultät der Universität Leipzig zu seiner am Sonnabend den 24. Januar am 10 Uhr im Auditorium des Botanischen Institutes zu haltenden Probevorlesung ueber Zweck und Mechanik der hygroskopischen Gebilde der Pflanzen ... Berlin (Druck von Gebr. Unger ...) 1885. Oct. (*Beitr. Anisotrop. org. Subst.*).
*Publ.*: 24 Jan 1885, p. [1]-20, [21, notes]. *Copy*: NY.

**18.674.** *Die botanische Mikrotechnik* ein Handbuch der mikroskopischen Präparations-, Reaktions- und Tinktionsmethoden ... Tübingen (Verlag der H. Laupp'schen Buchhandlung) 1892. Oct. (*Bot. Mikrotechn.*).
*Ed.* [*1*]: Apr 1892 (p. iv: Mar 1892; Bot. Zeit. 27 Mai 1892; ÖbZ for Apr 1892; BSbF

séance 8 Jul 1892; J. Bot. Jul 1892 (rev.); Nat. Nov. Mai(1, 2) 1892), p. [i]-x, [1]-278. *Copies*: G, H, MO, NY.

*Engl. transl.*: 1893 (p. vi: Jul 1893; Bot. Zeit. 6 Oct 1894; Nat. Nov. Apr(1) 1894), p. [i]-xii, [1]-296. *Copies*: HH, MO, NY, PH. – *Botanical microtechnique*, a handbook of methods for the preparation, staining, and microscopical investigation of vegetable structures, ... translated from the German by James Ellis Humphrey, ... New York (Henry Holt and Company) 1893. Oct. (*Bot. microtechn.*).

*Engl. transl.* (other issue): 1896 (Nat. Nov. Dec(2) 1896; Bot. Zeit. 1 Jan 1897), p. [i]-xii, [1]-296. *Copy*: LIV. – English edition, printed in New York, of 1893 original American translation.

*Ed. 2*: 1922 (p. v: Spring 1922; Nat. Nov. Jun 1922; ÖbZ for Oct 1922-Feb 1923), p. [i]-xii, [1]-458. *Copy*: H. – *Die botanische Mikrotechnik* ein Handbuch der mikroskopischen Arbeitsverfahren ... Jena (Verlag von Gustav Fischer) 1922, by Hans Schneider, to whom this text should be attributed.

**18.675.** *Beiträge zur Morphologie und Physiologie der Pflanzenzelle* ... Tübingen (Verlag der H. Laupp'schen Buchhandlung) 1893. Oct. (*Beitr. Morph. Physiol. Pfl.-Zelle*).

*Preface material*: 1893, p. [iii]-vi.

*1* (*Heft 1*): 1890 (p. viii: Oct 1889; Bot. Zeit. 30 Mai 1890), p. [i]-viii, [1]-79, *pl. 1-2* (col. liths. auct.).

*1* (*Heft 2*): 1891 (t.p. 1891; Bot. Zeit. 28 Aug 1891; ÖbZ for Oct 1891), p. [i-iii], [81]-184, *pl. 3-4* (id.).

*1* (*Heft 3*): 1893 (Bot. Zeit. 16 Jun 1893), p. [i-ii], [185]-322, *pl. 6.*

*2*(*1*): 1893 (Bot. Zeit. 16 Jan 1894), p. [i-iii], [1]-35, *pl. 1-2* (id.).

*Copies*: HH, PH.

**18.676.** *Die Cucurbitaceen* Beiträge zur Anatomie, Physiologie, Morphologie, Biologie, Pathologie und Systematik ... Jena (Verlag von Gustav Fischer) 1922. 2 Hefte. (*Cucurbitac.*).

*Heft 1*: 1922 (p. vi: Feb 1922; ÖbZ Mai-Sep 1922; Nat. Nov. Jul 1922), p. [i]-viii, [1]-204, [206].

*Heft 2*: 1922 (Nat. Nov. Nov 1922), p. [i]-iv, [1]-185, [186].

*Copies*: G, HH, M, MO, USDA.

*Ref.*: Harms, H., Bot. Jahrb. 58 (Lit.): 36-37. 1923 (rev.).

**18.677.** *Die Gerberinden liefernden Akazien* (Wattle-Bäume) Kultur, Gewinnung, Verwendung und Handel ... Jena (Verlag von Gustav Fischer) 1930. Oct. (*Gerberinden Akazien*).

*Publ.*: 1930 (p. [iii]: Apr 1930, p. [i]-viii, [1]-446. *Copy*: NY.

**Zimmermann, Hugo** (1862-1933), Bohemian botanist and high school teacher, later at Dornbirn (Vorarlberg) and Eisgrub (Moravia). (*H. Zimmerm.*).

HERBARIUM and TYPES: BRNU. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 541; DTS 1: 334; Klásterský p. 209 (b. 24 Nov 1862, d. 16 Jan 1933); LS 40840-40843.

BIOFILE: Iltis, H., Verh. naturf. Ver. Brünn 50: 312-341. 1912.
Murr, J., Neue Uebers. Farn-Blütenpfl. Vorarlberg 1-2: xxiii. 1923.

**18.678.** *Verzeichnis der in Vorarlberg wildwachsenden* u. häufig cultivierten *Gefässpflanzen* ... Dornbirn (Verlag der Communal-Unterrealschule) 1895. Oct. (*Verz. Vorarlberg Gefässpfl.*).

*Publ.*: Sep-Nov 1895 (ÖbZ for Nov 1895), p. [i*], [1], [1]-51. *Copy*: B. – Published in Jahres-Ber. Comm.-Unterrealsch. Dornbirn 1894/95: [1]-51. 1895.

**18.679.** *Verzeichniss der Pilze aus der Umgebung von Eisgrub* ... [*Brünn 1909*].

[*1*]: Jun-Jul 1909 (p. 61: Jun 1908; Nat. Nov. Aug(2) 1913), p. [60]-112, *pl. 1-4*. *Copy*:

NY. – Reprinted and to be cited from Verh. naturf. Ver. Brünn 47: 60-112, *pl. 1-4.* 1909.
*2*: 1913 (p. 67: Jan 1913), p. [66]-128, *1 pl. Copy*: Stevenson. – Id. 52: [66]-128, *pl.* 1913.

**Zimmermann, Johann Georg von** (1728-1795), Swiss physician and botanist; studied medicine in Göttingen and Bern; practicing physician; royal physician at Hannover 1768, later also in St. Petersburg and Potsdam, at the same time writer on political, social and philosophical issues. (*J.G. Zimmerm.*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: ADB 54: 273-277; Barnhart 3: 541 (b. 8 Dec 1728, d. 7 Oct 1795); Bossert p. 450; PR 10500, ed. 1: 11455; Rehder 1: 291; SO 267.

BIOFILE: Anon., Appleton's Cycl. Biog. 1053. 1856; Brit. Mus. gen. cat. print. books 263: 591-596. 1966; Cat. gén. livr. impr. Bibl. natl. 231: 82-91. 1981.
Arnim, M., Mitgl.-Vers. Ges. Wiss. Göttingen (1751-1927): 186. 1928.
Bouvier, A., J.G. Zimmermann, Genève 1925, viii, 209 p. and in E. Fueter, Grosse schweiz. Forsch. ed. 2. 154-155. 1941.
Ischer, R., J.G. Zimmermann's Leben und Werke, Bern 1893, 550 p.
Saucerotte, C., *in* Hoefer, Nouv. biogr. gén. 46: 994-997. 1866.
Stricker, W., *in* A. Hirsch et al., Biogr. Lex. hervorrag. Ärzte ed. 3. 4: 1042-1043. 1962.
Treue, W., Doctor at court 69-83. 1958.
Wittrock, V.B., Acta Horti Berg. 3(2): 147. 1903.
Zimmermann, J.G. v., Lebensbeschreibung, Hannover 1791.

**18.680.** *Dubia ex* clarissimi Caroli *Linnaei Fundamenta botanicis* hausta tradere pergit simulque ... Johanni Georgio Zimmermanno ... medicino candidato eximio ac solertissimo de honoribus medicus summis gratulatur Theophilus Emanuel v. Haller ... Goettingae (Typis Jo. Christ. Ludolph Schultzii Acad. Typ.) 1751. Qu. (*Dubia Linn. Fund. bot.*).
*Publ.*: 1751. *Copy*: G. – See TL-2/2318. – T.E. v. Haller may be the original author.

**Zimmermann, Oscar Emil Reinhold** (x-1902), German (Saxonian) botanist and high school teacher; at the Chemnitz Realgymnasium; Dr. phil. Jena 1871; professor's title 1893. (*O.E.R. Zimmerm.*).

HERBARIUM and TYPES: 120 microscope slides of fungi at BM (reviewed and advertised e.g. Bot. Zeit. 37: 760, 774. 1879).

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2392; De Toni 2: cxxiv; Jackson p. 166; LS 29596-29606, 41857; Morren ed. 10, p. 22; PR 10501-10503; Rehder 2: 63; TL-2/see E. Schmidlin.

BIOFILE: Anon., Ber. deut. bot. Ges. 20: (315). 1902 (d. 12 Nov 1902); Bot. Centralbl. 54: 319. 1893 (professor's title); Hedwigia 42: (66). 1903 (d.); Österr. bot. Zeit. 43: 267. 1893 (professor's title).

COMPOSITE WORKS: Revised, fourth edition of E. Schmidlin, *Illustrirte populäre Botanik*, 2 parts, publ. in 16 Hefte 1881-1884.

**18.681.** *Abhandlung über das Genus Mucor* ... [Chemnitz] (Druck von J.C. Pickenhahn u. Sohn) 1871. Oct. (*Abh. Mucor*).
*Publ.*: Mar 1871, p. [1]-51. *1 pl*, [52]-91 Schulnachrichten. Published as part of Progr. Realsch. I. Ordn. Chemnitz ... Sonnabend den 1. April 1871. *Copy*: NY.
*Thesis issue*: Mar 1871 (Bot. Zeit. 28 Apr 1871), p. [1]-51, *1 pl. Copy*: Stevenson. – *Dass Genus Mucor.* Inaugural-Dissertation der philosophischen Facultät zu Jena zur Erlangung der Doctorwürde ... Chemnitz (Druck von J.C.T. Pickenhahn & Sohn) 1871. Oct.

**18.682.** *Atlas der Pflanzenkrankheiten* welche durch Pilze hervorgerufen werden. Mikro-

photographische Lichtdruckabbildungen der phytogenen Pilzen nebst erläuterndem Texte. Für Land- und Forstwirte, Gärtner, Gartenfreunde und Botaniker ... Halle a.S. (Druck und Verlag von Wilhelm Knapp) 1885-1886. 4 Hefte. †. (text Oct.). Fol. (*Atlas Pfl.-Krankh.*).
*Heft 1*: Jan 1885 (Bot. Zeit. 27 Feb 1885), cover, p. [i-ii], [1]-6. *pl. 1-2.*
*Heft 2*: Jun-Jul 1885 (Bot. Zeit. 31 Jul 1885), cover, p. 7-22, *pl. 3-4.*
*Heft 3*: Aug-Sep 1885 (cover dated 1886; Bot. Zeit. 30 Oct 1885), cover, p. 23-30, *pl. 5-6.*
*Heft 4*: Nov-Dec 1885 (cover dated 1886; Bot. Zeit. 25 Dec 1885), cover, p. 31-40, *pl. 7-8.*
*Copies*: B-S (Hefte 1-4), BR (Hefte 3-4), PH (1-4).

**Zimmermann, Walter [Max]** (1892-1980), German (Baden) botanist; studied natural sciences in Karlsruhe, Freiburg, Berlin, München; Dr. phil. Freiburg i. Br. 1921; private lecturer Tübingen 1925; assistant professor ib. 1929-1959; military service 1910-1911, active service 1914-1919, 1939-1945; full professor (emeritus) Tübingen 1959-1980; outstanding phylogeneticist and botanist; originator of the "Telomtheorie". (*W. Zimmerm.*).

HERBARIUM and TYPES: TUB (until 1958 at least, private). – Further material in E.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 541 (b. 9 Mai 1892); BFM 2259, 2309, 2310a; Biol.-Dokum. 19: 10329-10330; BJI 2: 197; Bossert p. 450; Hirsch p. 339; Moebius p. 124; TL-2/1949, 2571, 16.031, 16.041; Tucker 3: 345.

BIOFILE: Anon., Hedwigia 78: (75). 1938 (prof. bot. Hohenheim) Österr. bot. Z. 87: 80. 1938 (ord. prof. bot. Agric. Coll. Hohenheim, Stuttgart) [retained Tübingen position]; Taxon 29: 701. 1980 (d. 30 Jun 1980).
Daber, R., Gleditschia 9: 321-324. 1982 (obit., portr.).
Degener, H.A.L., Wer ist's ed. 10. 1787-1788. 1935.
Glass, B. et al., Forerunners of Darwin 324, 331, 339. 1968.
Jacobs, M., Hermann Johannes Lam 64, 71, 73, 76, 83. 1984 (on Z. and Lam).
Kliemann, H.G. & S.S. Taylor, Who's who in Germany ed. 3. 1946. 1964.
Lowden, R.M., Taxon, Index pers. names vols. 1-30. 814. 1985.
Mägdefrau, K., Veröff. Landesst. Natursch. Landschaftspflege Baden-Württemberg 30: 10-18. 1962.
Rathfelder, O., Veröff. Natursch. Landschaftspflege Baden-Württemberg 51-52(2): 765-767. 1980 (obit.).
Verdoorn, F., ed., Man. Pteridol. 640 [index]. 1938.

COMPOSITE WORKS: (1) Contributed to G. Hegi, *Ill. Fl. Mitt.-Eur.* ed. 2.3(3), see TL-2(2571).
(2) *Phylogenie, in* F. Verdoorn, *Man. bryol.* 433-464. 1932. (TL-2/16.031).
(3) Contributed to F. Verdoorn, ed., *Man. Pteridol.* 1938 (see index). (TL-2/16.041).
(4) Co-editor, *Handbuch der Pflanzenanatomie*, Encyclopaedia of plant anatomy, 1934-x.

NOTE: (1) Outside our period e.g. *Geschichte der Pflanzen*, Stuttgart 1949, xi, 111 p.; ed. 2. 1969; *Evolution und Naturphilosophie*, Berlin 1969, 313 p.
(2) Walther Zimmermann (1890-1945), German (Baden) botanist, published on the variability of German orchids.

EPONYMY: *Zimmermannioxylon* K.U. Leistikow (1962). *Note*: *Zimmermannia* W. Gothan et F. Zimmermann (1932) probably honors the German geologist Ernst H. Zimmermann (1860-x); *Zimmermannitheca* W. Remy et R. Remy (1959) was probably named for Franz Zimmermann, 20th century German paleobotanist.

**18.683.** *Zur Geschichte und Zytologie von Volvox* ... Jahrbücher für wissenschaftl. Botanik ... 1921. Oct.
*Publ.*: 1921, p. [256]-294, *pl. 1. Copy*: B. – Reprinted and to be cited from Jahrb. wiss. Bot. 60(2): 256-294, *pl. 1.* 1921.

**18.684.** *Zytologische Untersuchungen an Sphacelaria fusca* Ag. Ein Beitrag zur Entwicklungsphysiologie der Zelle ... Zeitschrift für Botanik ... 1923. Oct.
*Publ.*: 1923, p. [113]-175. *Copy*: B. – Reprinted and to be cited from Z. Bot. 15(3): 113-175. 1923.

**18.685.** *Neue einzellige Helgoländer Meeresalgen.* Zugleich ein Beitrag zur Polaritätsfrage der Algen ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1923. Oct.
*Publ.*: 17 Oct 1923, p. [285]-292. *Copy*: B. – Reprinted and to be cited from Ber. deut. bot. Ges. 41(7): [285]-292. 1923.

**18.686.** *Über Algenbestände aus der Tiefenzone des Bodensees.* Zur Ökologie und Soziologie der Tiefseepflanzen ... [Abdruck aus] Zeitschrift für Botanik ... 1927. Oct.
*Publ.*: 1927, cover, p. [1]-35, *pl. 1-2*. *Copies*: B, FH. – Reprinted and to be cited from Z. Bot. 20: [1]-35, *pl. 1-2*. 1927.

**18.687.** *Neue wenig bekannte Kleinalgen von Neapel* ... i-v ... [Abdruck aus Zeitschrift für Botanik ... 1930]. Oct.
*Publ.*: 1930, cover, p. [419]-442. *Copy*: B. – Reprinted and to be cited from Z. Bot. 23: [419]-442. 1930.

**18.688.** *Die Phylogenie der Pflanzen* ein Überblick über Tatsachen und Probleme ... Jena (Verlag von Gustav Fischer) 1930. Oct. (*Phylog. Pfl.*).
*Publ.*: 1930 (p. viii: Jul 1929; Hedwigia Aug 1930; Nat. Nov. Apr 1930), p. [i]-xi, [1]-452, [453, notes; 454, err.]. *Copies*: BR, G, HH, MO, NY, PH, U.
*Ref.*: Wettstein, R., Österr. bot. Z. 79: 379. 1930.
*Ed. 2*: 1959 (p. xxiv: Jul 1959), p. [i]-xxiv, [1]-777. *Copies*: BR, G, HH, PH.

**18.689.** *Arbeitsweise der botanischen Phylogenetik* und anderer Gruppierungswissenschaften ... Berlin & Wien (Verlag von Urban & Schwarzenberg) 1931. Oct.
*Publ.*: 1931, p. [i-ii], [941]-1053. *Copy*: G. – Reprinted and to be cited from E. Abderhalden, Handb. biol. Arbeitsmeth. 9(3): 941-1053. 1931.

**18.690.** *Bemerkenswerte Rassen schwäbischer Pflanzen.* i-iv. [Sonderabdruck aus den Veröffentlichungen ... Württ. Landesamt. für Denkmalpflege ... 1932]. Oct.
*Publ.*: 1932, p. [i, recto of 20], [20]-36. *Copy*: B. – Reprinted and to be cited from Jahresb. Ver. vaterl. Naturk. Württemb. 88: 20-36. 1932.

**18.691.** *Genetische Untersuchungen an Pulsatilla* i-iii ... Jena (Verlag von Gustav Fischer ...) 1934. Oct.
*Publ.*: 1934, cover-t.p., p. [158]-234. *Copy*: B. – Reprinted and to be cited Flora 129(2): 158-234. 1934.

**18.692.** *Strenge Objekt/Subjekt-Scheidung als Voraussetzung wissenschaftlicher Biologie* ... [Leipzig (Felix Meiner Verlag) 1937]. Oct.
*Publ.*: 1937, cover, p. [1]-44. *Copy*: B. – Reprinted and to be cited from Erkenntn. Ann. Philos. 7(7): 1-44. 1937.

**18.693.** *Die Telomtheorie* ... Der Biologe ... 1938. Oct.
*Publ.*: 1938, p. [385]-390. *Copy*: B. – Der Biologe 7(12): 385-390. 1938.

**Zimmeter, Albert** (1848-1897), Austrian high school teacher and botanist at Steyer, later at Innsbruck. (*Zimm.*).

HERBARIUM and TYPES: IBF. – Further material in AK, CL, GB, MANCH. – *Contributed* to the *Flora exsiccata austro-hungarica*, distributed by W. – *Letters* to Halácsy, Kerner and Keck at UPS-UB; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 6(1): 829; Backer p. 664; Barnhart 3: 541 (b. 5 Jul

1848, d. 15 Dec 1897); BM 5: 2392; CSP 19: 790; DTS 1: 334-335; Jackson p 227; Morren ed. 10, p. 32; TL-2/8211, 12.800-12.801.

BIOFILE: Anon., Bot. Centralbl. 73: 160. 1898 (d.); Nat. Nov. 20: 120. 1898 (d.); Österr. bot. Z. 48: 38. 1898 (d. 15 Dec 1897; herb. to IBF).
Lack, H.W. & C.O. v. Sydow, Willdenowia 14: 446. 1984 (letters at UPS-UB).
Schönach, H., Jahresber. Real-Ober-Gymn. Feldkirch 27: 44 (index). 1882.

COMPOSITE WORKS: (1) Contributed to Potonié, *Ill. Fl.* ed. 4, see TL-2/8211.
(2) Co-author with O. Stapf et al., *Die botanischen Ergebnisse der Polak'schen Expedition* 1885-1886, TL-2/12.800. (*Potentilla*).
(3) Id. to O. Stapf et al., *Beiträge zur Flora von Lycien 1885-1886*, TL-2/12.801.

NOTE: Josef Zimmeter (1825-1874) was gardener at the Botanical Garden of Innsbruck University 1842-1874; he collected in Austria and contributed e.g. to F. Hausmann's *Fl. Tirol.*, TL-2/2483. Coll.: IBF.

**18.694.** *Verwandschafts-Verhältnisse* und geographische Verbreitung der in Europa einheimischen Arten *der Gattung Aquilegia* ... Steyr (Druck der Michael Haas'schen Erben) 1875. Oct. (*Verwandtsch.-Verh. Aquilegia*).
*Publ.*: Aug-Sep 1875 (issue in journal dated on p. 90: 15 Jul 1875; J. Bot. Oct 1875), p. [1]-66. *pl. 1-4. Copy*: G. – Preprinted or reprinted from Jahres-Ber. Staats-Ober-Realschule Steyr 5: [1]-66, *pl. 1-4.* 1875.

**18.695.** *Die europäischen Arten der Gattung Potentilla.* Versuch einer systematischen Gruppierung und Aufzählung nebst kurzen Notizen über Synomik, Literatur und Verbreitung derselben ... Steyr (Im Selbstverlage des Verfassers. Druck der M. Haas'schen Erben) 1884. Oct.
*Publ.*: Aug-Sep 1884 (p. 4: Jul 1884; Öster. bot. Z. 1 Oct 1884; Bot. Centralbl. 17-21 Nov 1884; Bot. Zeit. 28 Nov 1884; Nat. Nov. Oct(3) 1884), p. [1]-31, [some copies also provided with a lithographed mss. index:] [33]-69. *Copies*: BR, G(2), M. – Reprinted and to be cited from Jahres-Ber. Staats-Ober-Realschule Steyer 14: [1]-31. 1884 (followed by Schulnachrichten p. 32-51; copy of journal issue at HH).
*Ref.*: Blocki, B., Bot. Monatschr. 4: 20-27, 82-85. 1886 ("Einige Bemerkungen ...").

**18.696.** *Beitrag zur Kenntniss der Gattung Potentilla* ... Innsbruck (Druck der Wagner'schen Universitäts-Buchdruckerei) 1889. Oct.
*Publ.*: Jul-Aug 1889 (Österr. bot. Z. 1 Sep 1889; Nat. Nov. Sep(1) 1889), p. [3]-36. *Copies*: G(2), HH, M. – Reprinted and to cited from Progr. k.k. Oberrealschule Innsbruck 1888-1889.

**Zinn, Johann Gottfried** (1727-1759), German (Franconian) physician and botanist; studied at Göttingen; Dr. med. 1749; in Berlin 1749-1753; e.o. professor of pharmacology and director of the botanical garden of Göttingen 1753, ord. prof. 1755. (*Zinn*).

HERBARIUM and TYPES: Some plants at LINN. Although the collections of Zinn may be expected to be at GOET, Dr. H.J. Beug kindly informed us that he failed to trace them. They may be among the anonymous eighteenth century collections, but there are no signs of any annotations by Zinn, neither have any manuscripts been traced. Further material in B (mainly destr.).

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Meusel, Lex. d. teut. Schriftst. 15: 424-425. 1816.
Peter, A., *in* Festschr. 150-j. Besteh. K. Ges. Wiss. Göttingen 370-371. 1901.
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EPONYMY: *Zinnia* Linnaeus (1759).

**18.697.** *Observationes quaedam botanicae*, et anatomicae de vasis subtilioribus oculi et auris internae ... Gottingae [ Göttingen] (apud vid. Abr. Vandenhoeckii ...) 1753. Qu. (*Observ. bot.*).
*Publ.*: Dec 1753 (p. 41: 24 Nov 1753; GGA 20 Dec 1753), p. [i-ii], [1]-41. *Copies*: B-S, NLM, NSUB; IDC 5822.

**18.698.** *Catalogus plantarum horti* academici et agri *gottingensis* ... Gottingae [Göttingen] (sumtibus viduae Abr. Vandenhoeck) 1757. Oct. (*Cat. pl. hort. Gott.*).
*Publ.*: 20 Apr-21 Mai 1757 (p. x: 20 Apr 1757; GGA 21 Mar 1757), p. [i-x], [1]-441, [443-454, index], *1 pl. Copies*: BM, G, H-UB, HH, KU, M, MO, NY, USDA; IDC 361.

**Zippel, Hermann** (*fl.* 1879-1885), German high school teacher and botanist at Gera. (*Zippel*).

HERBARIUM and TYPES: Unknown.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2393; Herder p. 96; Jackson p. 66, 498; Kleppa 184, 208, 209, 220, 224, 225; Rehder 5: 941; Tucker 1: 759.

**18.699.** *Ausländische Culturpflanzen* in farbigen Wandtafeln mit Erläuterndem Text, im Anschluss an die "Repräsentanten einheimischer Pflanzenfamilien". – Zweite, vielfach verbesserte und vermehrte Auflage. Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1880-1889, 3 parts. (*Ausländ. Culturpfl.*).
[*Ed. 1*], *Abt. 1*, *Text*: Sep 1876 (Bot. Zeit. 6 Oct 1876), vii, 67 p., *1 pl.* n.v.
[*Ed. 1*], *Abt. 2*, *Text*: Jan-Jun 1877, n.v.
*Ed. 2*: 1880-1889, in three parts; co-author Carl Bollmann. *Copies*: G(2-3), GB(1-2), H(2-3).
*Ed. 2*, *Abt. 1*, *Text*: Oct 1879 (p. viii: Sep 1879; Bot. Zeit. 28 Mai 1880; Nat. Nov. Nov(1) 1879), p. [i]-vii, [viii-ix], [1]-129. *Atlas*: *11 pl.* (Atlas n.v.).
*Ed. 2*, *Abt. 2*. *Text*: 1881 (p. 2 cover Dec 1880; Bot. Zeit. 25 Feb 1881; Nat. Nov. Feb(1) 1881), p. [i]-vi, [1]-157. *Atlas*: *12 pl.*
[*Ed. 2*], *Abt. 3*. *Text*: 1889 (p. 2 cover Apr 1889; Bot. Zeit. 26 Jul 1889; ÖbZ 1 Sep 1889; Nat. Nov. Jun(2) 1889), p. [i]-vi, [vii], [1]-136. *Atlas*: *24 pl.*
*Ed. 3*, *Abt. 1*. *Text*: 1892 (Bot. Zeit. 24 Jun 1892; ÖbZ for Mai 1892; Nat. Nov. Jul(1) 1892), p. [i]-xi, [1]-171. – With *22 pl. Copy*: H.
[*Ed. 3*], *Abt. 2*. *Text*: 1896 (Bot. Zeit. 1 Mar 1896; Nat. Nov. Feb 1896), [1]-171. With *24 pl.* (n.v.).
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[*Ed. 3*], *Abt. 3. Text*: 1903 (Nat. Nov. Sep(2) 1903), p. [i]-xvi, [1]-150. – *Atlas 22 pl. Copies*: HH, NSUB.

**18.700.** *Repräsentanten einheimischer Pflanzenfamilien* in farbigen Wandtafeln mit erläuterndem Text, im Anschluss an die "Ausländischen Culturpflanzen" ... Braunschweig (Druck und Verlag von Vieweg und Sohn) 1879-1882, 2 vols. Oct. and Fol. (*Repräs. einheim. Pfl.-Fam.*).
*Artist*: Carl [Karl] Bollmann.
*Text, Abt. 1, Kryptogamen*: Mai-Jun 1879 (p. viii: Mai 1879; Bot. Zeit. 8 Aug 1879; Nat. Nov. Jul(1) 1879), p. [i]-xi, [1]-212. – With *Atlas* 12 pl., fol. (plates 74 x 58 cm), chromoliths.
*Text, Abt. 2, Phanerogamen, Heft 1*: 1880 (Bot. Zeit. 12-16 Jul 1880, 1 Oct 1880; Nat. Nov. Jul(2) 1880), p. [i]-vi, [1]-161. – With *Atlas 12 pl.* fol.
*Text, Abt. 2, Phanerogamen, Heft 2*: Nov 1881 (Bot. Centralbl. 5-9 Dec 1881; Bot. Zeit. 30 Dec 1881; Nat. Nov. Dec(1) 1881), p. [i]-vi, [1]-118. – With *Atlas 12 pl.* fol.
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**18.701.** *Ausländische Handels- und Nährpflanzen* zur Belehrung für das Haus und zum Selbstunterrichte ... Braunschweig (Druck und Verlag von Friedrich Vieweg und Sohn) 1885. Oct. (*Ausländ. Handels-Nährpfl.*).
*Publ.*: 1885 (p. vi: 1 Jan 1885; J. Bot. Jan 1886), p. [i]-x, [1]-244, *pl. 1-38, 39/40, 41/42, 43/44, 45-49, 50/51, 52-53, 54/55, 56-60* (chromoliths.). *Copies*: HH, USDA.
*Lief. 1*: 1885 (Nat. Nov. Apr(1) 1885), p. [1]-32, *pl. 1-8.*
*Lief. 2*: 1885, p. 33-64, *pl. 9-16.*
*Lief. 3*: 1885 (Nat. Nov. Mai(2) 1885; Bot. Zeit. 29 Mar 1885), p. 65-96, *pl. 17-23.*
*Lief. 4-6*: 1885 (Nat. Nov. Oct(1) 1885; Bot. Zeit. 30 Oct 1885), p. 97-192, *pl. 23-53.*
*Lief. 7-8*: 1885 (Nat. Nov. Dec(1) 1885; Bot. Zeit. 29 Jan 1885), p. 193-244, *pl. 54-60.*

**Zittel, Karl Alfred [von]** (1839-1904), German (Baden) palaeontologist; studied at the University of Heidelberg 1857-1861; at Paris 1861-1862; volunteer with the Geological Survey of Austria 1863; habil. Univ. Vienna 1863; professor of mineralogy at Karlsruhe 1863-1866; professor of palaeontology at München 1866, from 1890 also keeper of the Bavarian State Geological Collection. (*Zitt.*).

HERBARIUM and TYPES: Unknown.

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(2) Editor, *Palaeontographica* 17, 19-50, 1870-1904.
(3) Editor and in part author of *Handbuch der Palaeontologie* 1880-1890, 5 vols., (of which vol 5. *Palaeophytologie* begonnen von W.Ph. Schimper ... fortgesetzt und vollendet von A. Schenk; publ. 1879-1890, 9 Lief.; *Lief. 1* by W.P. Schimper, p. 1-152, 1879; see TL-2/10.567 under Schenk.

EPONYMY: *Zittelia* Felix (1882); *Zittelina* E. Munier-Chalmas ex L. Morellet et J. Morellet (1913).

**18.702.** *Geschichte der Geologie und Paläontologie* bis Ende des 19 Jahrhunderts ... München und Leipzig (Druck und Verlag von R. Oldenburg) 1899. Oct. (*Gesch. Geol. Paläont.*).
*Publ.*: 1899 (p. vii: Jun 1899), p. [ii]-xi, [1]-868. *Copy*: LC. – Issued as vol. 23 of *Geschichte der Wissenschaften in Deutschland.*
*Engl. transl.*: 1901, p. [i-ii], portr. author, [iii]-xiii, [xv, err.], [1]-562. *Copy*: USGS. – *History of geology and palaeontology* ... translated by Maria M. Ogilvie-Gorden, London (Walter Scott, ...) 1901. Oct. (*Hist. geol. palaeont.*).
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Booknumber 18.703 has not been used.

**Žmuda, Antoni Jozef** (1889-1916), Polish botanist; botanical assistant in Krakow. (*Žmuda*).

HERBARIUM and TYPES: KRA, KRAM. Some further material (sometimes probably *Bryoth. polon.*) at BP, DBN.
*Exsiccatae*: with Tadeus Wiśniewski, *Bryotheca polonica*, ser. A, fasc. 1-5, nos. 1-250, 1911-1929 (Žmuda: fasc. 1-4, Wiśniewski: fasc. 5). Sets at BM, C, FH(1-4), H, PC, W. – For further details see G. Sayre, Mem. New York Bot. Gard. 19(2): 275. 1971. – For accompanying texts see below.

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**18.704.** *Bryotheca polonica* (Cześć 1. Nr. 1-50), ... Lwow [Lemberg] (I. Zwiakowa drukarnia we Lwowie, ...) 1911. Oct.
*1* (*nos. 1-50*): 1911 (p. 22: 10 Jan 1911; ÖbZ 1 Aug 1911. Hedwigia 20 Oct 1911), cover-t.p., p. [15]-22. – Reprinted and to be cited from Kosmos 35 [35 on cover repr.; journal 36]: [15]-22. 1911.
*2* (*nos. 51-100*): 1912 (p. 125: 15 Feb 1912; ÖbZ 1 Feb 1914; Hedwigia 10 Dec 1913), cover-t.p., p. 118-125. – Id. 37: [118]-125. 1912.
*3* (*nos. 101-150, Musci tatrenses*): 1912 (p. 670: 1 Oct 1912), cover-t.p., p. [662]-670. – Id. 37: 662-670. 1912.
*4* (*nos. 151-200*): 1916 (p. 176: 10 Oct 1915), cover-t.p., p. [i-ii], [171]-176. – Id. Spraw. Komisji Fizjogr. 50: 171-176. 1916.
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*Copies*: B (1-4), NY (1-4).

**18.705.** *Zapiski bryologiczne z powiatu wielickiego* ... Lwów [Lemberg] (I zwiazkowa drukarnia we Lwowie, ...) 1912.
*Publ.*: 1912 (p. 117: 15 Feb 1912), cover-t.p., p. [109]-117. – Reprinted and to be cited from Kosmos 37: 109-117. 1912.

**18.706.** *Fossile Flora des Krakauer Diluviums* ... Cracovie [Krakow] (Imprimerie de l'Université) 1914. Oct.
*Publ.*: 30 Apr 1914 (date on inside cover), cover-t.p., p. [ii], 209-352. *pl. 12-15*. *Copy*: B. – Reprinted and to be cited from Bull. Acad. Sci. Cracovie, B(1914): 209-352. *pl. 12-15*. 1914.

**18.707.** *Die polnischen Alchemilla-Arten* ... Cracovie (Imprimerie de l'Université) 1915. Oct.
*Publ.*: 25 Mai 1915 (p. ii of cover), cover-t.p., cover p. [ii], [14]-16. *Copies*: B, NY. – Reprinted and to be cited from Bull. Acad. Sci. Cracovie B(1915): 14-16. 1915.

**18.708.** *Poslonki polskie* (Helianthema poloniae) ... w Krakowie (Nakladem Akademii Umiejetności) 1915. Oct.
*Publ.*: 1915 (date on preprint), p. [i-ii], [1]-15. *Copy*: B. – Preprinted from Rospr. Wydz. mat.-przyr. Akad. Umiej. 55B: 22-35. 1916.
*German abstract*: 25 Mai 1915, cover-t.p., cover p. [ii], [17]-20. *Copies*: B, NY. – Reprinted and to be cited from Bull. Acad. Sci. Cracovie, B 1915: 17-20. 1915.

**18.709.** *Über die Vegetation der Tatraer Höhlen* ... Cracovie (Imprimerie de l'Université) 1915. Oct.
*Publ.*: 1915, cover-t.p., p. [ii] of cover, p. [121]-179. *Copies*: MO, NY. – Reprinted and to be cited from Bull. Acad. sci. Cracovie 1915 B: 121-179. 1915.

**Zobel, August** (1861-1934), German (Prussian) botanist at Dessau; studied at a teacher's seminary at Osterburg (Altmark); first teacher's exam. 1881; teacher at Wolfsburg 1881-1884, at Loedderitz 1884-1885; second teacher's exam. 1885; teacher and cantor at Güntersberge 1885-1900; high school teacher at Dessau 1900-1923. (*Zobel*).

HERBARIUM and TYPES: Dessau (Museum für Naturkunde und Vorgeschichte), see O. Voigt 1979. – Some further material in E (in Kneucker, *Carices exs.*).

BIBLIOGRAPHY and BIOGRAPHY: AG 5(1): 75, 12(2): 754; Barnhart 3: 543 (b. 21 Dec 1861, d. 28 Oct 1934); BFM 414; Biol.-Dokum. 19: 10343; BJI 2: 197; Hegi 6(2): 1295.

BIOFILE: Fuess, W., Mitt. Thür. bot. Ver. ser. 2. 42: iii-v. 1935 (obit.).
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Voigt, O., Mitt. Flor. Kart. Halle 5(1): 20-28. 1979 (on herb. Zobel at Dessau).

**18.710.** *Verzeichnis der im Herzogthume Anhalt* und in näherer Umgegend *beobachteten Phanerogamen* und Gefässkryptogamen, ... Dessau (Druck von H.S. Art'l). 1905. (*Verz. Anhalt Phan.*).
*1*: 1905 (p. xxix: 20 Feb 1905; AbZ 15 Jun 1905), p. [i]-xxix, [xxx-xxxi], [1]-106. – Cover has: *Vorarbeiten zu einer neuen Flora von Anhalt* I.
*2*: 1907 (p.viii: 10 Mai 1907; AbZ 15 Jun 1907), p. [i]-ix, [1]-86. – Id. *Vorarbeiten* II.
*3*: 1909 (p. x: 27 Sep 1909; AbZ 15 Nov 1909), p. [i]-x, [1]-204. – Id. *Vorarbeiten* III.
*4*: 1920, p. [i]-vii, [viii], [1]-57. – Id. *Vorarbeiten* IV.
*5* (as: *Vorarbeiten* V): 1975, *in* Hercynia ser. 2. 12(4): 432-476. 1976.
*6* (as *Vorarbeiten* VI): 1976, *in* Hercynia ser. 2. 13(1): 93-132. 1976.
*Copies*: 1-4: B, HH, 1-3: M, 5-6: Wagenitz.

**Zodda, Giuseppe** (1877-1968), Italian botanist; studied at the University of Messina; assistant for botany ib. 1900-1908; at Catania 1909; teacher at the Technical School of

Messina 1909; subsequently at Portici, Potenza, Mantova, Napoli, Siracusa, Bari, finally president of the Istituto Tecnico at Teramo 1932-1947. (*Zodda*).

HERBARIUM and TYPES: Material at BI, E, NAP (Hepat.), TENN (3500 bryo.).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 543; BL 2: 734 [index]; GR p. 464, 542; LS 41858; Saccardo 2: 116; SBC p. 135; TL-2/6715; Zander ed. 10, p. 735, ed. 11, p. 839.

BIOFILE: Anon., Bot. Centralbl. 99: 560. 1905 (habil. Messina); Bull. bibl. Bot. ital. 2(6): 13, 15, 24, 45, 50, 54, 2(7): 88. 1910, 2(8): 168. 1911, 2(9): 203, 215. 1912, 2(10): 294, 295. 1913; Rev. bryol. 34: 54. 1907, 39: 72, 88. 1912: 40: 48, 63, 92. 1913, 41: 52. 1914; Rev. bryol. lichénol. 10: 104. 1937.
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EPONYMY: *Zoddaea* A. Borzi (1906).

**18.711.** *Studio briogeografico sulla Basilicata* e catalogo delle briofite di questa provincia sin oggi conosciute ... Estratto dal Nuovo Giorn. bot. ital. ... 1913. Oct.
*Publ.*: Jan 1931, p. [1]-80. *Copy*: H. – Reprinted and to be cited from Nuov. Giorn. bot. ital. ser. 2. 20(1): [155]-232. 1913.

**18.712.** *Flora italica cryptogamica* pars iv: Bryophyta. *Hepaticae* Anthocerotales, Marchantiales, Jungermanniales, Anakrogynae, Jungermanniales akrogynae ... fascicolo N. 1. Rocca S. Casiano (Stabilimento tipografico L. Capelli) ... 1934. Oct. †. (*Fl. ital. crypt.*, *Hepat.*).
*Fasc. 1*: 29 Mai 1934, p. [i], ]1]-330, [331, cont.], [333, err.]. *Copies*: B, BR, FH, G, MICH, MO, NY, PH, U(2). – All published.

**Zohary,** (né Schein) **Michael** (1898-1983), Polish (Galicia)-born Israeli botanist; migrated to Palestine 1920; Dr.phil. Praha 1936; with the Hebrew University 1926-1967; in retirement continuing his botanical work. (*Zoh.*).

HERBARIUM and TYPES: HUJ. – Further material in BM, C, CAIM, GB, GH. – *Exsiccatae*: (with N. Feinbrun) *Flora exsiccata Palestinae*. – *Letters* at G.

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NOTE: Outside our period e.g. *Flora of the land of Israel* Iconography (with Naomi Feinbrun), Jerusalem 1949; *Plant life in Palestine* 1962, 282 p.; *The genus Trifolium* (with D. Heller), Jerusalem 1984; *A new analytical flora of Israel*, Tel Aviv 1976; *Flora palaestina* (with N. Feinbrun), 4 vols. 1966-1986.

**18.713.** *Die phytogeographische Gliederung der Flora der Halbinsel Sinai* ... Sonderabdruck aus "Beihefte zum Bot. Centralbl. ..." 1935. Oct.

*Publ.*: Jan 1935, p. [549]-621. *Copy*: B. – Reprinted and to be cited from Beih. Bot. Centralbl. 52-B: [549]-621. 1935.

**18.714.** *Die Verbreitungsökologischen Verhältnisse der Pflanzen Palästinas* I. Die antitelechorischen Erscheinungen ... Dresden (Verlag von N. Heinrich) 1937. Oct.
*Publ.*: 1937, cover-t.p., p. [1]-155, *pl. 1-12. Copies*: H, M. – Reprinted and to be cited from Beih. Bot. Centralbl. 56(a)(1): [1]-155, *pl. 1-12.* 1937.

**Zollikofer, Caspar Tobias** (1774-1843), Swiss physician, botanist and entomologist; studied medicine in Zürich, Halle a.S. and Edinburgh; Dr. med. Halle 1794; administrator in St. Gallen 1797-1802; practicing physician and pharmacist ib. from 1802. (*Zollik.*).

HERBARIUM and TYPES: Nat. Hist. Mus. St. Gallen. Further material in BR. For his drawings see C. Bächler (1945). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 543 (b. 15 Mai 1774, d. 6 Dec 1843); BM 5: 2395; CSP 6: 516; Herder p. 181; Jackson p. 343; NI 2201, see indexes; PR 10504, ed. 1: 11461; Rehder 1: 433.

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Candolle, A.P. de, Mém. souvenirs 357. 1862.
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Jäggli, A.E., Mitt. schweiz. entom. Ges. 31(2): 201-202. 1980 (note on entomological watercolors).
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EPONYMY: *Zollikoferia* C.G.D. Nees (1825); *Zollikoferia* A.P. de Candolle (1838).

**18.715.** *Tentamen florae alpinae Helvetiae* iconibus lapide incisis et descriptionibus illustratae ... Versuch einer Alpen-Flora der Schweiz ... [St. Gallen (in Commission bei Huber und Comp.) 1828]. (*Tent. fl. alp. Helvet.*).
*Publ.*: Apr-Mai 1828 (cover p. 2: Mar 1828; Flora rd. 15 Mai-28 Jun 1828), cover, p. [i, t.p.], *10 pl.* (col. liths.) with text p. [1-20]. *Copies*: B, FI, H-UB, NY (has 2 plates in dupl.).

**Zollinger, Heinrich** (1818-1859), Swiss botanist; school teacher at Küssnacht 1836-1837; studied at Genève 1837 (with e.g. Alph. de Candolle); high school teacher at Horgen 1838 and Herzogenbachsee 1840; sent out on a botanical expedition to Java by Alph. de Candolle and others 1841-1844; working at the herbarium of de Candolle 1845; in Sumatra and Java again 1845-1848; director of a seminary at Horgen, Switzerland 1848-1854; again in Java 1855-1859. (*Zoll.*).

HERBARIUM and TYPES: P, PC (largest series through Franqueville) (set used by F.A.W. Miquel for his Flora indiae batavae). Other material at A, B (mainly destr.), BASSA, BERN, BM, BR (impt.), CGE, CORD, DPU, F, FI, G, GH, GOET, H-Nyl, K, KIEL (destr.), L, LAU, LE, LZ (destr.), M, MICH, MW, NEU, S, W, WRSL. – Zollinger's collections were distributed in part as *Plantae javanicae* 1843-1847 (3605 nos. plus 1604 unicates), *Plantae japonicae* 1847 (641 nos.).– *Letters* to F.A.W. Miquel at U; to Halácszy and Keck at UPS-UB; other letters at G. – *Manuscript diaries*: Zentralbibliothek Zürich.

BIBLIOGRAPHY and BIOGRAPHY: ADB 45: 419-423; AG 6(2): 56; Backer p. 635-636; Barnhart 3: 543 (b. 22 Mar 1818, d. 19 Mai 1859); BM 5: 2395-2396; Bossert p. 450; CSP 6: 517-518, 8: 1306, 12: 805; De Toni 4: lxv; GR p. 636, cat. p. 74; Herder p. 214, 292, 336; Hortus 3: 1207; IF p. 738; JW 4: 414; Lasègue p. 269, 307, 506, 556; LS 29619-29620; MW p. 549; PR 5262, 6470, 10505, ed. 1: 7205; Rehder 5: 941; SBC p. 135; SK 1: xxix, clii, 593-596 (detailed info.), 4: clxi, 5: cccxxxvi, 8: cxi; TL-1/238, 893,

1448; TL-2/1121, 6339, 15.336, see indexes; Tucker 1: 759; Urban-Berl. p. 284, 292, 318, 412; Zander ed. 10, p. 735, ed. 11, p. 839.

BIOFILE: Anon., Bonplandia 1: 102. 1853 (in Paris and Holland), 2: 284 (broke a leg at Cairo), 3: 63 (from Cairo to Küssnacht for healing), 206 (Z. in Leipzig), 208 (will leave for Java) 1855, 7: 278. 1859 (d.); Bot. Zeit. 1: 248. 1843 (coll. from Java), 2: 128. 1844 (note by Moritzi on coll.), 13: 144. 1855 (to Java), 615. 1855 (definitely to Java after having been back to Switzerland from Cairo for health reasons); Bull. Koloniaal Mus. 33: 109-110. 1905 (Zollinger's grave in good order at Sendoero); Flora 27(1): 1-75. 1844 (distr. coll.), 42: 748. 1859 (d.); Gartenflora 3: 307. 1854 (again to Java), 4: 44. 1855 (back to Europe, from Cairo again at Küssnacht), 4: 244 (definitely to Java), 6: 64. 1857 (definitely in Java).

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Rost van Tonningen, Nat. Tijdschr. Ned.-Indië 23: 1-10. 1862 (obit.).
Sayre, G., Mem. New York Bot. Gard. 19(3): 419. 1975 (coll.).
Scheitener, E., Mitt. Gruppe Niederl. Indien Neu. Helvet. Ges. 8(2): 2-14. 1929 (biogr. sketch, portr.).
Schlechtendal, D.F.L. von, Bot. Zeit. 17: 320. 1859 (d.).
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Slooten, D.F. van, Mitt. Gruppe Niederl. Indien Neu. helvet. Ges. 8(2): 15-22. 1929 (Zollinger as a botanist).
Stafleu, F.A., *in* Essays in biohistory, Regn. veg. 71: 330. 1970.
Steenis-Kruseman, M.J. van & C.G.G.J. van Steenis, Bull. Bot. Gard. Buitenzorg ser. 3. 18: 471-472. 1950 (Zollinger on Krakatoa Isl.?).
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Zollinger, H. & Alph. de Candolle, Flora 24(2): Int.-Bl. 1: 4-7. 1841 (subscriptions plants requested).

COMPOSITE WORKS: (1) See A. Moritzi, *Syst. Verz.* 1845-1846, TL-2/6339, a list of the plants collected by Z. in Java 1842-1844; not to be confused with Zollinger's own *Syst. Verz.* 1854, below.
(2) Review of J.C. Hasskarl, *Cat. pl. Bogor.* in Nat. Geneesk. Arch. Neerl. Ind. 1: 303-319. 1844.

EPONYMY: *Zollingeria* C.H. Schultz-Bip. (1854, *nom. rej.*); *Zollingeria* S. Kurz (1872, *nom. cons.*).

HANDWRITING: Mitt. Gruppe Niederl. Indien neue Helvet. Ges. 8(2): between 12 and 13. 1929.

TRAVEL REPORTS: see Zollinger, *Syst. Verz.* iii-xii. 1854.

**18.716.** *Togt naar den Salakh.* Op den 2$^{en}$ tot 4$^{en}$ en 15$^{en}$ tot 19$^{en}$ November 1843 [Batavia 1844]. Oct.
*Publ.*: 1844, p. [221]-256, [347]-369. *Copy*: G. – Reprinted and to be cited from Nat. Geneesk. Arch. Ned. Indië 1: 221-256, 347-369. 1844.

**18.717.** *Observationes phytographicae* praecipue genera et species nova nonnulla respicientes [Batavia 1844-1846]. Oct.
*Publ.*: 1844-1846, a series of 6 papers published in Nat. Geneesk. Arch. Ned. Indië, also reprinted (unidentified, copies e.g. at G):
[*1*]: 1844, *in* 1: [372]-405. 1844.
[*2*]: 1845, *in* 1: [599]-616. 1845.

[*3*]: 1845, *in* 2: [1]-19. 1845.
[*4*]: 1845, *in* 2: [200]-273. 1845 ("series secunda").
[*5*]: 1846, *in* 2: [563]-587. 1846 (id.).
[*6*]: 1846, *in* 3: 51-82. 1846 (id.).
*Descriptions* reproduced by J.K. Hasskarl in Flora 30: 208-308, 317-322, 454-458, 469-476, 527-538, 592-603, 658-666, 693-706. 1847.

**18.718.** *Verslag van eene reis naar Bima en Soembawa*, en naar eenige plaatsen op Celebes, Saleijer en Floris, gedurende de maanden Mei tot December 1847, ... [Batavia 1850]. Qu. (*Versl. reis Bima*).
*Publ.*: 1850, err. slip, p. [1]-224, 10 p. lists, *1 pl. Copies*: G, HH, LC. – Issued as Verh. Bat. Gen. Kunst. Wet. [Batavia] 23. 1850.

**18.719.** *Systematisches Verzeichniss* der im indischen Archipel in den Jahren 1842-1848 gesammelten sowie der aus Japan empfangenen Pflanzen. Herausgegeben von H. Zollinger ... Zürich (Druck und Verlag von E. Kiesling) 1854-1855, 3 Hefte. Oct. (*Syst. Verz.*).
*Publ.*: 1854-1855, 3 Hefte. *Copies*: G, HH, L, MO, NY, USDA; IDC 5823.
*1*: Jun 1854, p. [i*, t.p. for 1. und 2. Heft"], [i, t.p., Heft 1]-xii, [1]-80.
*2*: Nov 1854-Jan 1855, p. [i-iii, incl. t.p. "2. Heft"], [81]-160, *1 pl.* (p.p. col. lith.), [cover Heft 1 states "Das zweite Heft erscheint im Verlauf des Monats August"].
*3*: Apr-Dec 1855, p. [1]-66, [67, err.].
*Note* (*1*): The above dates are based on the correspondence between Zollinger and Miquel (U-UB).
"In meiner Abwesenheit [early Jun-4 Oct 1854] wurde die zweite Lieferung meines Kataloges vollendet, scheusslich entstellt von Druckfehlern" (3 Feb 1855). Zollinger then added four pages of corrections; p. 156 is dated Nov 1854. Various groups were treated by specialists. Miquel did most of the Monochlamydeae. Choisy did the Convolvulaceae, Symplocos, Ternstroemiaceae, Clusiaceae and Hypericaceae on pp. 127-134, 136 and 142-152. Choisy published a corrected reprint of his contribution under the title *Plantae javanicae* ... Genève 1858 (30 pp.). Oct. (TL-2/1858). – See also sub Moritzi for the first Verzeichniss of Zollinger's plants (1845-1846), TL-2/6339.
*Note*(*2*): For corrections by Zollinger, especially regarding Heft 3, see below *Observ. bot. nov.* 1857.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 12: 844-848. 1 Dec 1854 (rev. Heft 1), 13: 281-282. 20 Apr 1855 (rev. Heft 2).
Steenis-Kruseman, M.J. van, Fl. males. Bull. 11: 433. 1955, 26: 2019. 1972.
Stafleu, F.A., Wentia 16: 72. 1966.

**18.720.** *Over de soorten van Rottlera* van den botanischen tuin te Buitenzorg en in het herbarium van Zollinger en Moritzi; alsmede over eenige verwante Geslachten uit de familie der Euphorbiaceae, ... Batavia (Lange & Co.) 1856. Qu. (*Soorten Rottlera*).
*Publ.*: 1856, p. [i], [1]-32. *Copies*: G, U-UB. – Issued as Nat. Tijdschr. Ned. Indië 14(4). 1856 (papers in journal have independent pagination).
*Nachtrag*: Linnaea 29: 463-469, late 1858 or early 1859.

**18.721.** *Over het begrip en den omvang eener Flora malesiana* [Batavia 1857]. Oct.
*Publ.*: 1857, p. [293]-321. *Copies*: NY, U. – Reprinted and to be cited from Nat. Tijdschr. Ned. Indië 13: [293]-321. 1857. – German version: Vierteljahrsschr. Naturf. Ges. Zürich 2: 317-349. 1856.

**18.722.** *Observationes botanicae novae* ... [Batavia (Lange & Co.) 1857]. Oct.
*Publ.*: 1857, p. [145]-176. *Copies*: HH, NY. – Reprinted and to cited from Nat. Tijdschr. Ned. Indië 14: [145]-176. 1857. – Contains corrections to his Syst. Verz. Heft 3, 1855, see above.

**18.723.** *Sur la végétation autour des cratères volcaniques de l'île de Java* ... Archives [Genève] 1858. Oct.
*Publ.*: Feb 1858, p. 171-175. *Copy*: NY. – Reprinted and to be cited from Bibl. univ. Rev. Suisse, Arch. Sci. nat. phys. 1: 171-175. 1858.

**Zopf, [Friedrich] Wilhelm** (1846-1909), German (Prussian) botanist; educated as primary school teacher at Eisleben 1864-1867; attended the Eislebener Gymnasium 1869-1874; studied natural sciences at the University of Berlin 1874-1877; Dr. phil. Halle 1878; habil. Berlin Univ. and Agric. College 1881; lecturer at Halle 1883-1887; e.o. professor of botany 1887-1899; professor of botany at Münster 1899-1909. (*Zopf*).

HERBARIUM and TYPES: B (herb., exsicc., sample collection). Further material in FH, HAL, PAV, TUR-V. – See Huneck et al (1973) for the Zopf material at B (extant); a set of original samples used by Zopf for his chemical research sent to B before 1939, still in perfect condition. In addition B has also a separate lichen herbarium made by Zopf. *Exsiccatae*: Zopf contributed to P. Sydow, *Mycotheca marchica* (see Sydow), and to V. Wittrock & O. Nordstedt, *Algue aqua dulcis*, see under Wittrock.

BIBLIOGRAPHY and BIOGRAPHY: Ainsworth p. 112, 182, 236, 321; Barnhart 3: 543 (b. 12 Dec 1846, d. 24 Jun 1909); Biol.-Dokum. 19: 10349-10350; BJI 1: 65, 2: 198; BM 5: 2399; Bossert p. 450; De Toni 1: cxxxvii, 2: cxxiv, cxxv, cxxxi, 4: lxv; DTS 1: 335-336, 3: liv, 4: xlvi; Frank 3 (Anh.): 116-117; GR p. 55-56, *pl.* [*17*], cat. p. 74; Hawksworth p. 187; Herder p. 247, 435; IH 1 (ed. 6): 366, (ed. 7): 346; Jackson p. 157, 169; Kelly p. 245; Kleppa p. 291; Langman p. 291; LS 29621-29686; Moebius p. 71, 74, 75; Morren ed. 10, p. 13; Nordstedt p. 34; SBC p. 135; Stevenson p. 1263; TL-2/10.561, see P. Sydow and E.H.G. Ule; Urban-Berl. p. 284, 292.

BIOFILE: Anon., Bot. Centralbl. 30: 368. 1887 (app. Halle), 74: 368. 1898 (temp. ord. prof. Halle), 77: 239. 1899 (app. Münster), 105: 448 (Geh. Regierungsrath), 560 (stipend.). 1907, 111: 240 (d.), 480 (Correns successor). 1909; Bot. Zeit. 45: 342. 1887 (e.o. prof. Halle), 57: 96. 1899 (app. Münster), 67: 240. 1909 (d.); Brit. Mus. gen. cat. print. books 263: 827-828. 1966; Cat. gén. livr. impr. Bibl. natl. 231: 760-763. 1981; Deut. Zeitgenossenlex. 1621. 1905; Nat. Nov. 9: 150. 1887 (app. Halle), 21: 87. (app. Münster), 687 (Mez succeeds Z. at Halle; Z. succeeds Brefeld at Münster), 25: 519. 1903 (rector Univ. Münster), 31: 380. 1909 (d.); Science ser. 2. 30: 82. 1909 (d.).
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Degener, H.A.L., Wer ist's ed. 4. 1609. 1909.
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Huneck, S. et al., Willdenowia 7(1): 31-45. 1973 (on lichen samples collection at B, extant).
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Zopf, W., Bot. Zeit. 36: 718-719. 1878 (collection of preparations of fungi [models] available).

COMPOSITE WORKS: Contributed to A. Schenk, ed., *Handb. Bot.* 3(1): 1-97. 1883 (Spaltpilze), 3(2): 1-174. 1884 (Mycetozoa, Myxomycetes), 4: 271-756. 1890 (*Pilze*), see TL-2/10.561.

EPONYMY: *Zopfia* Rabenhorst (1874); *Zopfiella* G. Winter (1887). *Note*: *Zopfinula* Kirschstein (1939) probably honors F.W. Zopf, but Kirschstein gave no etymology for the generic name.

**18.724.** *Die Conidienfrüchte von Fumago.* Ein Beitrag zur Pycniden-Frage. *Inaugural-Dissertation* zur Erlangung der philosophischen Doctorwürde, welche mit Genehmigung der philosophischen Facultät der vereinigten Friedrichs-Universität Halle-Wittenberg sammt den Thesen öffentlich vertheidigen wird am 12. März 1878, Vormittags 12 Uhr ... Halle a.S. 1878. Oct. (*Conid.-Fr. Fumago, Diss.*).
*Publ.*: 12 Mar 1878, p. [1]-34, [35, vita], [36, theses]. *Copy*: FH. – Bot. Zeit.: received by 22 Mar 1878, review by G.K. 30 Aug 1878; Hedwigia rd. Apr 1878.

**18.725.** *Die Conidienfrüchte von Fumago* ... Halle (Dresden, Druck von E. Blochmann & Sohn ...) 1878. Qu. (*Conid.-fr. Fumago*).
*Publ.*: 1878 (sent 22 Mar 1878; Bot. Zeit. 25 Jul 1879), p. [1]-75, *pl. 1-8* (in text; on

*plates*: *19-26*). *Copies*: FI, G, NY, Stevenson. – Issued as Nova Acta Leop. 40(7): [255]-329. *pl. 19-26* (col. liths. auct.).

**18.726.** *Entwicklungsgeschichtliche Untersuchung über Crenothrix polyspora*, die Ursache der Berliner Wassercalamität ... Berlin (Verlag von Julius Springer) 1879. Oct. (*Entw.-gesch. Unters. Crenothrix*).
*Publ.*: Mar 1879 (Bot. Zeit. 30 Mai 1879; ÖbZ 1 Nov 1879; Nat. Nov. Apr(2) 1879), p. [1]-21, [22, colo.], *pl. 1-3* (p.p. col. liths.). *Copies*: B, FH.

**18.727.** *Zur Entwickelungsgeschichte der Ascomyceten ... Chaetomium* ... Halle (Druck von E. Blochmann & Sohn in Dresden ...) 1881. Qu. (*Entw.-Gesch. Ascomyc. Chaetomium*).
*Publ.*: Nov 1881 (read 3 Aug 1880; Bot. Centralbl. 9-13 Jan 1882; Bot. Zeit. 24 Feb 1882; Nat. Nov. Dec(2) 1881), p. [1]-96, *pl. 14-20* (uncol. liths. auth.). *Copies*: BR, FH, FI, G, HH, MO, NY, Stevenson. – Issued as Nova Acta Leop. 42(5): [197]-292. *pl. 14-20*. – *Preliminary notice*: Verh. Bot. Ver. Brandenburg 19(S.B.): 170-173. 1877.
*Ref.*: Zimmermann (Chemnitz): Bot. Centralbl. 9(8): 258-261. 1882 (rev.).

**18.728.** *Bericht über die Untersuchungen von filtrirtem Tegeler Wasser* ... Berlin (Gedruckt bei Julius Sittenfeld) 1881. Oct. (*Ber. Unters. Tegeler Wass.*).
*Publ.*: 1881 (p. 4: 22 Nov 1880), p. [1]-8. *Copy*: B.

**18.729.** *Zur Morphologie der Spaltpflanzen* (Spaltpilze und Spaltalgen) ... Leipzig (Verlag von Veit & Comp.) 1882. Qu. (*Morph. Spaltpfl.*).
*Publ.*: 1-9 Oct 1882 (p. vi: Mar 1882; Bot. Centralbl. 9-13 Oct 1882; Bot. Zeit. 27 Oct 1882; J. Bot. Nov. 1882; Nat. Nov. Oct(2) 1882), p. [i]-vi, [1]-74, *pl. 1-7* (p.p. col. liths. auth.). *Copies*: B, FH, G, NY, US.

**18.730.** *Die Spaltpilze*. Nach dem neuesten Standpunkte bearbeitet ... Breslau (Verlag von Eduard Trewendt) 1883. Oct. (*Spaltpilze*).
*Publ*: Mar 1883 (p. vi: Mar 1883; Bot. Zeit. 30 Mar 1883; Magy. bot. Lap. Apr 1883; Nat. Nov. Apr(2) 1883; Bot. Zeit. 13 Apr 1883), p. [i]-viii, [1]-100. *Copy*: FH. – Preprinted or reprinted from Encykl. Naturw. Abth. 1, Lief. 32, A. Schenk, Handb. Bot. 3(1): 1-97. 1884, TL-2/10.561; see also Comp. works, above.
*Ed. 2*: 1884 (Bot. Centralbl. 10-14 Mar 1884; Nat. Nov. Mar(1) 1884), 110 p. (n.v.).
*Ed. 3*: 1 Feb-15 Mar 1885 (p. iv: Feb 1885, Bot. Centralbl. 9-13 Mar 1885; Bot. Zeit. 27 Mar 1885; Flora rev. 1 Apr 1885; Nat. Nov. Mar(2) 1885), p. [i]-vi, [1]-127. *Copy*: FH. – Id.

**18.731.** *Zur Kenntniss der Phycomyceten. I.* Zur Morphologie und Biologie der Ancylisteen und Chytridiaceen, zugleich ein Beitrag zur Phytopathologie ... Halle (Druck von E. Blochman & Sohn in Dresden ...) 1884. Qu. (*Kenntn. Phycomyc.*).
*Publ.*: 1884 (read 27 Mai 1883; Bot. Zeit. 20-24 Apr, 29 Mai 1885; Nat. Nov. Apr(2) 1885), p. [1]-96, [97, err.], *pl. 12-21* (p.p. col. liths. auth.). *Copies*: FH, FI, G(2), NY, Stevenson, USDA. – Issued as Nova Acta Leop. 47(4): [141]-236, [237]. *pl. 12-21*. 1884.

**18.732.** *Die Pilzthiere oder Schleimpilze*. Nach dem neuesten Standpunkte bearbeitet ... Breslau (Verlag von Eduard Trewendt) 1885. [i.e. 1884]. Oct. (*Pilzthiere*).
*Publ.*: early Nov 1884 (p. iv: Nov 1884; t.p. 1885; Bot. Zeit. 12 Dec 1884; Bot. Zeit. 15-19 Dec 1884; J. Bot. Jan 1885; Nat. Nov. Nov(2) 1884; Hedwigia Nov 1884), p. [i]-viii, [1]-174. *Copies*: FH, H, NY. – Preprinted from Encycl. Naturw., A. Schenk, ed., *Handb. Bot.* 3(2): 1-174. 1884, see TL-2/10.561, see also under Composite works.

**18.733.** *Zur Morphologie und Biologie der niederen Pilzthiere* (Monadinen), zugleich ein Beitrag zur Phytopathologie ... Leipzig (Verlag von Veit & Comp.) 1885. Qu. (*Morph. Biol. Pilzthiere*).
*Publ.*: 1 Jun-15 Jul 1885 (Bot. Zeit. 31 Jul 1885; J. Bot. Aug 1885; Bot. Centralbl. 27 Jul-7 Aug 1885; Nat. Nov. Jul(2) 1885), p. [i]-v, [1]-45, *pl. 1-5* (p.p. col. liths. auth.). *Copies*: FH, H, NY, PH, USDA.

**18.734.** *Gerbstoff- und Anthocyan-Behälter der Fumariaceen* und einiger anderer Pflanzen ... Cassel (Verlag von Theodor Fischer) 1886. Qu. (*Gerbst. Anthocyan-Behält. Fumariac.*).
*Publ.*: 1886 (Nat. Nov. Sep(1) 1886), p. [i], [1]-40, *pl. 1-3* (p.p. col. liths.). *Copy*: BR. – Issued as Bibl. bot. vol. 1, no. 2.

**18.735.** *Untersuchungen über Parasiten aus der Gruppe der Monadinen* ... Halle (Max Niemeyer) 1887. Qu. (*Unters. Paras. Monad.*).
*Publ.*: 1887 (Bot. Zeit. 27 Apr 1888; J. Bot. Jun 1888), p. [1]-39, [40, err.], *pl. 1-3* (p.p. col. liths. auth.). *Copies*: FH, G, PH. – Also publ. in Festschrift zum 80. Geburtstag F. Kützing (n.v.).

**18.736.** *Ueber einige niedere Algenpilze* (*Phycomyceten*) und eine neue Methode ihre Keime aus dem Wasser zu isolieren ... Halle (Max Niemeyer) 1887. Oct.
*Publ.*: 1887 (Bot. Zeit. 25 Nov 1887; Nat. Nov. Nov(1) 1887), p. [1]-31, *pl. 1-2*. *Copies*: G, M. – Reprinted and to be cited from S.B. naturf. Ges. Halle 17: [77]-107, *pl. 1-2*. 1888.

**18.737.** *Zur Kenntniss der Infections-Krankheiten* niederer Thiere und Pflanzen ... Halle (Druck von F. Blochmann & Sohn in Dresden ...) 1888. Qu. (*Kenntn. Infect.-Krankh.*).
*Publ.*: 1888 (read 5 Mai 1888; Bot. Zeit. 25 Jan 1889), p. [1]-64, *pl. 17-23*. *Copies*: FH, G. – Issued as Nova Acta leop. 52(7): [313]-376, *pl. 17-23*. 1888.

**18.738.** *Die Pilze* in morphologischer, physiologischer, biologischer und systematischer Beziehung ... Breslau (Verlag von Eduard Trewendt) 1890. Oct. (*Pilze*).
*Publ.*: 1 Mar-15 Jun 1890 (p. iii: Mai 1890; Bot. Centralbl. 18 Jun 1890; Bot. Zeit. 25 Jun 1890; ÖbZ for Jun 1890; Bot. Zeit. 20 Jun 1890), p. [i*-iii*], [i]-xii, [1]-500. *Copies*: H, NY, PH, Stevenson, USDA.

**18.739.** *Beiträge zur Physiologie und Morphologie niederer Organismen.* Aus dem Kryptogamischen Laboratorium der Universität Halle a.S. ... Leipzig (Verlag von Arthur Felix) 1892-1895, 5 Hefte. (*Beitr. Physiol. Morph. nied. Organ.*).
*1*: Mai 1892 (p. iii: Jan 1892; Bot. Zeit. 24 Jun 1892; ÖbZ for Mai 1892), p. [i]-vi, [1]-97, *pl. 1-3*.
*2*: 1892 (p. 56: Sep 1892), p. [i-iii], [1]-56, *pl. 1-5*.
*3*: 1893, p. [i-iii], [1]-74, *pl. 1-3*.
*4*: 1894 (Bot. Zeit. 1 Nov 1894; rev.), p. [i-iii], [1]-116, *pl. 1-5*.
*5*: 1895 (Bot. Zeit. 16 Jul 1895; Nat. Nov. Mar 1896), p. [i-iii], [1]-72, *pl. 1-2*.
*Copies*: US, USDA.

**18.740.** *Zur biologischen Bedeutung der Flechtensäuren* ... Sonderabdruck aus dem "Biologischen Centralblatt ..." 1896. Oct.
*Publ.*: 15 Aug 1896, p. [593]- 610. *Copy*: Stevenson. – Reprinted and to be cited from Biol. Centralbl. 16(16): [593]-610. 1896.

**18.741.** *Uebersicht der auf Flechten schmarotzenden Pilze* ... Sonderabdruck aus Hedwigia ... 1896. Oct.
*Publ.*: 28 Dec 1896, cover, p. [312]-366. *Copy*: Stevenson. – Reprinted and to be cited from Hedwigia 35: [312]-366. 1896.

**18.742.** *Untersuchungen über die durch parasitische Pilze hervorgerufenen Krankheiten der Flechten*, ... Halle (Druck von Ehrhardt Karras, ...) 1897-1898, 2 parts. Qu. (*Unters. Krankh. Flechten*).
*1*: 1897 (raed 8 Jun 1896; Bot. Zeit. 1 Sep 1897; Nat. Nov. Jul(1, 2) 1897), p. [1]-94, *pl. 7-8*. with text. – Issued as Nova Acta Leop. 70(2): [97]-190, *pl. 7-8* with text. 1897.
*2*: 1898 (read 17 Mar 1898; AbZ 15 Aug 1898; Nat. Nov. Jun(2) 1898), p. [241]-288. – Id. 70(4): [241]-288. 1898.
*Copies*: BR, H, NY.

**18.743.** *Vergleichende Untersuchungen über Flechten* in Bezug auf ihre Stoffwechselprodukte .... [Abdruck aus: Beihefte zum Botanischen Centralblatt ... 1903]. Oct.

*Publ.*: Mar 1903 (Nat. Nov. Apr(2) 1903), cover, p. 95-126, *pl. 2-5*. *Copies*: B, NY. – Reprinted and cited from Beih. Bot. Centralbl. 16(1): [95]-126, *pl. 2-5*. 1903.

**18.744.** *Biologische und morphologische Beobachtungen an Flechten* I-III ... Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1906-1907. Oct.
*1*: 24 Jan 1906, p. [497]-504, *pl. 21*. – Reprinted and to be cited from Ber. deut. bot. Ges. 23(10): [497]-504, *pl. 21*. 1906.
*2*: 24 Jan 1907, p. [i, recto 574], 574-580, *pl. 2-3*. – Id. 24(10): 574-580. 1906 (1907).
*3*: 26 Jun 1907, p. [233]-237, *pl. 8*. – Id. 25(5): [233]-237, *pl. 8*. 1907.
*Copies*: B(1-3), G(1).

**18.745.** *Die Flechtenstoffe* in chemischer, botanischer, pharmakologischer und technischer Beziehung ... Jena (Verlag von Gustav Fischer) 1907. Oct. (*Flechtenstoffe*).
*Publ.*: Oct 1907 (p. v: Aug 1907; Bot. Zeit. 16 Dec 1907; Nat. Nov. Nov(2) 1907), p. [i]-xi, [1]-449. *Copies*: FH, H, M, MICH, PH, Stevenson; IDC 6174.

**18.746.** *Beiträge zu einer chemischen Monographie der Cladoniaceen* ... [Sonderabdruck aus den Berichten der Deutschen Botanischen Gesellschaft ... 1907 [1908]. Oct.
*Publ.*: Apr 1908, p. [i], [51]-113, *pl. 1-4*. *Copies*: B, Stevenson; IDC 6174. – Reprinted and to be cited from Ber. deut. bot. Ges. 26: [51]-113, *pl. 1-4*. 1908.

**Zorn, Johannes** (1739-1799), German (Bavarian) pharmacist at Kempten. (*Zorn*).

HERBARIUM and TYPES: Unknown. – Some vascular plants from the Carolinas and Jamaica listed for the Herb. Schweinitz at PH by Mears (Zorn did not travel to these areas).

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 636; Barnhart 3: 543; BM 1: 37, 5: 2400; Dryander 3: 460; DU 335; GF p. 81; Herder p. 414; Jackson p. 200; MW p. 549; NI 2202-2205; Plesch p. 466; PR 10507, 10726, ed. 1: 11463; Rehder 5: 941; SO add. 646c, 646d, 985; Sotheby 829-832; TL-1/1449-1452; Tucker 1: 45, 759.

BIOFILE: Hein, W.H. & H.D. Schwarz, Deut. Apoth. Biogr. 2: 785-786. 1978 (b. 22 Oct 1739, d. 9 Jan 1799).
Mac Gillavry, D., Ned. kruidk. Arch. 53: 71. 1943 (note on *Icon. pl. med.*).
Mayer, G., *in* Das schöne Allgäu 39: 61-63. 1976 (n.v.; on his nat. hist. coll.).
Mears, J., Proc. Acad. nat. sci. Philadelphia 133: 165. 1981 (vascular plants from Carolinas, Jamaica in PH [possibly Jacquin material]).
Meusel, J.G., Lexik. teut. Schriftst. 15: 467. 1816.

EPONYMY: *Zornia* Moench (1794). *Note*: *Zornia* J.F. Gmelin (1792) was probably also named for this author but derivation was not given.

**18.747.** *Icones plantarum medicinalium* Centuria I [-VI]. Abbildungen von Arzneygewächsen ... Nürnberg (auf Kosten der Raspischen Buchhandlung) 1779 [-1790]. 6 vols. Oct. (*Icon. pl. med.*).
*Ed.* [*1*]: 1779-1790, of which at any rate vols. 1 and 2 were published in two parts. The preface to vol. 2 is signed by J. Zorn. *Copies*: BR, HH, MO, NY.
*1*: 1779 (part 1, *50 pl.* NZgS 3 Mai 1779; part 2, *50 pl.* NZgS 18 Nov 1779); engraved frontisp., (portr. Linnaeus), p. [i-vi], [1]-60, [61-64], [i-iv], *pl. 1-100* (col. copp. B. Thanner).
*2*: 1780 (part 1, *50 pl.*, NZgS 18 Mai 1780), p. [i-viii], 65-124 [i-iv incompl.], *pl. 101-200*. The copy at HH has an index to all *100 pl.*, p. 105-132.
*3*: 1781, p. [i-vi], 125-204, *pl. 201-300*. – Some copies (e.g. BR) have a t.p. dated 1786, evidently of ed. 2, although not so marked, and with text.
*4*: 1782, p. [i], 205-274, *pl. 301-400*.
*5*: 1785 (dated 1784 on t.p., p. iv: 31 Mar 1785), p. [i], 275-336, [337-368, index gen.], *pl. 401-500*.
*6*: 1790 (although called Centuria vi, de facto a supplement), p. [1]-76, *pl. 501-600* [the index gen., 32 p. sometimes also bound with this volume].

*Ed. 2*: 1784-1790. *Copies*: BR, MO.
1: 1784, frontisp., p. [i], *pl. 1-100.*
2: 1784, p. [i], *pl. 101-200.*
3: 1786, p. [i], *pl. 201-300.*
4: 1787, p. [i], 205-274. *pl. 301-400* (not identified as ed. 2, has text, dated 1787; *copy*: NY).
5: 1785 [dated 1784] evidently identical with ed. 1, vol. 5.
6: 1790, evidently identical with ed. 1, vol. 6.

*Dutch edition*: 1794-1801, 6 vols. *Copy*: U. – Texts written by D.L. Oskamp (vol. 1), M. Houttuyn (vols. 2-3), J.C. Kraus (vols. 4-6). – *Afbeeldingen der Artseny-Gewassen* met derzelven beschryvingen. Icones plantarum officinalinum ... Amsterdam (J.C. Sepp en Zoon), (*Afb. Arts.-Gew.*).
1: 1794 (date on t.p., which has "Eerste Deel. Eerste Stukje", preface, dated 15 Oct 1794, mentions that four parts (of *25 pl.* each) are planned to constitute a volume. Mac Gillavry (1943) gives dates for vols. 4 and 6 which indicate that he had further information; we, however, have not traced his sources), p. [i*], engr. t.p., p. [i]-iv, ix-xvi, [1]-102, [1-4, index], *pl. 1-100* (coll. copp.).
2: 1796, p. [i], engr. t.p., p. [iii-vi], [1]-101, [1-4], *pl. 101-200.*
3: 1796, p. [i], engr. t.p., p. [iii-vii], [1]-101, [no index], *pl. 201-300.*
4: 1798-1800 (t.p. 1800; p. ii: 1 Aug 1798), p. [i*], engr. t.p., p. [i]-ii, [1-4 index], [1 list subscr.], [1]-400, *pl. 301-400.*
5: 1800, p. [i], engr. t.p., p. [1-4, index], [1]-100, *pl. 401-500.*
6: 1800-1801 (engr. t.p. 1800, p. iv: 1 Aug 1801), p. [i*], engr. t.p., p. [i]-iv, [1]-100, *pl. 501-600*, [1]-36 index.

*Vervolg* [Supplement]: 1813, Amsterdam (Sepp en Zoon) mentioned by Mac Gillavry, not seen by us).

**18.748.** *Dreyhundert auserlesene amerikanische Gewächse* nach Linneischer Ordnung ... Nürnberg (auf Kosten der Raspischen Buchhandlung) 1785-1788, 6 vols. Oct. (*Dreyhund. amer. Gew.*).

*Publ.*: 1785-1788. *Copies*: BR, L, MO, NY, U, US. The t.p.'s of the last 5 volumes all have as title *Amerikanische Gewächse.* the volumes are numbered "Erstes hundert, erste Hälfte", "id. zwote Hälfte" etc. The plants are mainly [256] from N.J. Jacquin's *Select. stirp. amer. hist.* 1763, 1780-1781, TL-2/3243, 3249.
1(1): 1785, p. [1]-15, *pl. 1-50.*
1(2): 1786, p. [17]-22, *pl. 51-100.*
2(1): 1786, p. [23]-34, *pl. 101-150.*
2(2): 1787, p. [i], [35]-44, *pl. 151-200.*
3(1): 1787, p. [45]-56, *pl. 201-250.*
3(2): 1788, p. [57]-72. *pl. 252-300.*

**18.749.** *Auswahl schöner und seltener Gewächse* als eine Fortsetzung der Amerikanischen Gewächse ... Nürnberg (im Verlag der Raspeschen Handlung) 1795. Oct. (*Auswahl schön. selt. Gew.*).

*Publ.*: 1795-1798. *Copies*: BR, MO, NY, US, USDA. – The 252 plates (nos. 1-250, 24a [rare] and an unnumbered plate of Ranunculus bellidiflorus) are hand coloured copper engravings, mostly unsigned, of water-colour drawings by Louise Roemer, geb. Schwyzer (1770-1838).
1(1): Jan-Sep 1795, p. [1]-23, *pl. 1-50* and *24a* (rare).
1(2): 1795, p. 25-40, *pl. 51-100.*
2(1): 1796, p. [41]-58, *pl. 101-150.*
2(2): 1796, p. [33, sic]-52, *pl. 151-200.*
3(1): 1798, p. [53]-68, *pl. 201-250.*

*Extra unnumbered plate*: Ranunculus bellidiflorus (as frontisp. in MO copy vol. 2(1)).

**Zornow, Robert** (1842-1873), German (Prussian) high school teacher and botanist; teacher's examination Königsberg 1867, teacher at the high school at Gumbinnen; on active service 1870-1871. (*Zornow*).

HERBARIUM and TYPES: High school Gumbinnen (destroyed).

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2400; PR 10508; Rehder 1: 386; Tucker 1: 759.

BIOFILE: Caspary, R., Festschr. 50-j. Best. Preuss. bot. Ver. Königsberg 285. 1912.

**18.750.** *Die in Gumbinnen wildwachsenden Phanerogamen* von R. Zornow ... Gumbinnen (Gedruckt bei J.F. Lemke) 1870. Qu. (*Gumbinnen Phan.*).
*Publ.*: 1-8 Apr 1870, p. [1]-22. *Copies*: HH, MO. – Published in Progr. höh. Bürgersch. Gumbinnen 1870 for 8 Apr 1870; Schulbericht p. 22 (p.p.)-32.

**Zschacke, [Georg] Hermann** (1867-1937), German botanist and high school teacher; studied at the Teachers College of Köthen; teacher's exam. Dessau 1889; junior high school teacher's exam. Magdeburg 1892; at Zerbst 1887-1892, at Hecklingen 1892-1898; from 1898-1924 at a Girl's high school in Bernburg; in captivity 1914-1916; in Davos 1916-1917. (*Zsch.*).

HERBARIUM and TYPES: B (herb., extant); further material in Dessau (lich. and moss coll.), DI (Corsican lich.), H (lich.), M (lich.), TUR-V (lich.). – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 5(1): 81, 5(2): 441; Barnhart 3: 543 (b. 27 Mai 1867, d. 19 Sep 1937); Biol.-Dokum. 19: 10354; CSP 19: 802; DTS 1: 336; GR p. 56, *pl.* [*17*], cat. p. 74; LS 40857-40858, suppl. 30947-30956; SBC p. 135; Urban-Berl. p. 292.

BIOFILE: Anon., Ann. bryol. 12: viii. 1939 (d.).
Hermann, F., Verh. bot. Ver. Brandenburg 79: 192-195. 1939 (obit.).
Hiepko, P., Willdenowia 8: 392. 1978 (lichen herb. extant at B).
Kiener, W., Bryologist 41(1): 24. 1938 (d.).
Laundon, J.R., Lichenologist 11(1): 119. 1979 (lich. coll.).
Mattick, F., Verh. bot. Ver. Brandenburg 79: 196-198. 1939 (on Z. as a lichenologist; portr.); Herzogia 1: 173-176. 1969.
Verdoorn, F., ed., Chron. bot. 4(3): 262. 1938.

COMPOSITE WORKS: (1) *Epigloeaceae, in Rabenh. Krypt.-Fl. ed. 2.* 9(1-1): [44]-46. Feb 1933, TL-2/8450.
(2) *Verrucariaceae, in* id. 9(1-1): 46-160. Feb 1933, 161-320. Jun 1933, 321-480. Aug 1933, 481-590. Feb 1934; corr. 656-668. Feb 1934. – For preliminary publ. *Die mitteleuropäischen Verrucariaceen* in Hedwigia see LS suppl. 30949-30954.
(3) *Dermatocarpaceae, in* id. 9(1-1): 590-656. Feb 1934.

EPONYMY: *Zschackea* M. Choisy et R.G. Werner (1932).

**18.751.** *Vorarbeiten zu einer Moosflora des Herzogthums Anhalt* ... Abhandl. des Bot. Vereins f. Brandenb. [1903]. Oct.
*1*: 5 Jun 1903, p. [1]-37. *Copy*: B. – Reprinted and to be cited from Verh. bot. Ver. Brandenb. 45 (Abh.): 1-37. 1903.
*2*: 8 Apr 1905, p. [223]-316. *Copy*: B. – Id. 47 (Abh.): 223-316. 1905.
*3*: 30 Dec 1911, p. [i], [1]-29, [30]. *Copy*: B. – Id. 53 (Abh.): [1]-29, [30]. 1911.

**18.752.** *Ein Beitrag zur Flechtenflora des unteren Saaletales* ... [Leipzig (Verlag von Quelle und Meyer) [1908]]. Oct.
*Publ.*: 1908, cover, [231]-253. *Copy*: B. – Reprinted and to be cited from Z. Naturw., Halle 80: 231-253. 1908.

**18.753.** *Beiträge zu einer Flechtenflora des Harzes* ... Sonderabdruck aus Hedwigia ... [1908]. Oct.
*Publ.*: 5 Sep 1908, p. 21-44. *Copy*: B. – Reprinted and to be cited from Hedwigia 48: 21-44. 1908.

**18.754.** *Beiträge zur Flechtenflora Siebenbürgens* ... Budapest (Pallas irodalmi és nyomdai részvénytársaság) 1911. Oct.

*Publ.*: 1911, cover-t.p., p. 1-19. *Copies*: B, H. – Reprinted and to be cited from Magy. bot. Lap. 10(11-12): 362-380. 1911.
*Weitere Beiträge*: 1912, p. 1-7. *Copies*: B, H. – Id. 11(11-12): 296-302. 1912.

**18.755.** *Zur Flechtenflora von Siebenbürgen* ... Hermannstadt ... 1913. Oct.
*Publ.*: 1913, p. [111]-166. *Copy*: B. – Reprinted and to be cited from Verh. Mitt. Siebenb. Ver. Naturw. Hermannstadt 63(4-5): 111-166. 1913.

**18.756.** *Die Flechten des Davoser Tales* ... Davos-Platz (Buchdruckerei Davos A.-G.) 1926. Oct.
*Publ.*: 1926, cover, p. [1]-59. *Copies*: B, H. – Issued in Mitt. Naturf. Ges. Davos 1925/1926.

**18.757.** *Korsische Flechten* gesammelt in den Jahren 1914-1916 ... Verhandl. d. bot. Vereins f. Brandenb. 1927. Oct.
*Publ.*: 1927, p. [1]-29. *Copies*: B, H. – Reprinted and to be cited from Verh. bot. Ver. Brandenburg 69: [1]-29. 1927.

**Zuccagni, Attilio** (1754-1807), Italian physician and botanist; director of the Giardino dei semplici, Firenze, and director of the Museo di fisico e storia naturale, Firenze; made a trip to Spain and Portugal. (*Zuccagni*).

HERBARIUM and TYPES: Originally at FI. When Parlatore arrived at Florence in 1842 he found the Zuccagni herbarium destroyed by insects and without indications of localities; he threw the remnants away. – Some plants collected by Z. in UPS-Thunb. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: AG 3: 223; Backer p. 636; Barnhart 3: 544 (b. 10 Jan 1754, d. 21 Oct 1907); BM 5: 2400; Bossert p. 451; Dryander 3: 563, 5: 77; Hortus 3: 1207; Jackson p. 433; Lasègue p. 462; PR 10510-10514, ed. 1: 11467-11471; Rehder 5: 942; Saccardo 1: 177, 2: 116, cron. p. xxxvii; TL-1/1452; TL-2/9400, see C.P. Thunberg; Zander ed. 10, p. 735, ed. 11, p. 839.

BIOFILE: Anon., Cat. gén. livr. impr. Bibl. natl. 231: 979. 1981.
Bardi, G. d., [Elogia del professore Attilio Zuccagni], Ann. Mus. imp. Fis. Stor. nat. Firenze 1: 1-16. 1808.
Gager, C.S., Brooklyn Bot. Gard. Rec. 26(3): 243. 1937.
Parlatore, P., Les collections botaniques du Musée royal de physique et d'histoire naturelle de Florence 6. 1874 (coll. "eliminated").

EPONYMY: *Zuccagnia* Cavanilles (1799, *nom. cons.*); *Zuccangnia* [sic] Thunberg (1798, *nom. rej.*).

**18.758.** *Dissertazione* concernante l'istoria di una piante panizzabile dell' Abissinia conosciuta da quei popoli sotto il nome *Ditef.* Recitata il di 7 Settembre 1774. Nell' Accademia dei Geografili di Firenze ... in Firenze (Nella Stamperia di Giuseppe Vanni) 1775. Oct. (*Diss. Ditef*).
*Publ.*: 1775 (read 7 Sep 1774; p. viii: 29 Mai 1775), p. [i]-viii, 1-45. *1 pl.* (uncol. copp.). *Copy*: WU.

**18.759.** *Synopsis plantarum horti regii florentini* anno *1801* ... (Florentiae (ex typographia Josephi Tofani ...) 1801. Qu. (*Syn. pl. 1801*).
*Publ.*: 1801, p. [1]-59. *Copies*: G, NY(2).
*Auctuarium I*: 1804 (p. 8), p. [1]-8. *Copy*: NY. – *Auctuarium I.* Ad Synopsis plantarum horti botanici Musei regii Florentini ad annum 1803.
*Synopsis 1806*: Nov-Dec 1806 (p. iii*: Nov 1806), p. [i*-iv*], [i]-lxxx. *Copy*: G. – *Synopsis* plantarum quae virescunt in Horto botanico Musei R. Florentini hoc anno mdcccvi.
*Further editions*: mentioned by PR p. 449, present in BM-Banks: 1782, 1783, 1784, 1793-1795 [publ. 1795], 1798; not seen by us.

**18.760.** *Centuria* I. *Observationum botanicarum,* quas in horti regio florentino ad stirpes ejusdem novas vel rariores illustrandas ... [Turici, Zürich 1806]. Qu. (*Cent. observ. pl.*).
*Publ.*: Dec 1806 (p. [i]: Ibid. Apr 1806), signatures 1-6 $7^1$, *1 uncol. pl. Copy*: G. – Preprinted (unpaged) late 1806 from J.J. Roemer, Collectanea p. [113]-162. 1806, see TL-2/9406.
*Ref.*: Steenis-Kruseman, M.J. van, Fl. males. Bull. 12: 491. 1956.

**Zuccarini, Joseph Gerhard** (1797-1848), German (Bavarian) botanist; Dr. med. Erlangen 1819; professor of botany at a high school in München 1823; e.o. professor of botany at the University of Landshut 1824-1826, id. at München 1826; ordinary professor of agronomy and forestry botany 1835. (*Zucc.*).

HERBARIUM and TYPES: M (30.000; acquired 1849; included also the bryophyte herbaria of F. Döllinger and H.C. Funck); further material in BR, C, F, FI, G-DC, K, PH.– *Letters* to F.A.W. Miquel at U, to Hochstetter at UPS-UB; to A. Gray at GH, to J. Torrey at NY, to D.F.L. von Schlechtendal at HAL; further letters at G.

BIBLIOGRAPHY and BIOGRAPHY: ADB 45: 472-474; Backer p. 636; Barnhart 3: 544 (b. 10 Aug 1797, d. 18 Feb 1848); Biol.-Dokum. 19: 10358; BM 5: 2401-2402; CSP 6: 519-520; DTS 1: 336; Frank 3 (Anh.): 117; Herder p. 127, 133, 168, 190, 337, 382; Hortus 3: 1207; IH 1 (ed. 1): 84, (ed. 2): 106, (ed. 6): 366, (ed. 7): 346; Jackson p. 429; Langman p. 819; Lasègue p. 115, 332, 527; Lenley p. 473; LS 29689-29690; MW p. 549-550; NI 2206-2207; PR 8673-8674, 10516-10523, ed. 1: 6586, 6604, 9634, 11.472-11.477; Rehder 5: 942; Saccardo 1: 177; TL-1/796, 1228-1229, 1453; TL-2/5519, 10.553, 11.949-11.952, 11.956, 16.392, see indexes; Tucker 1: 759-760; Zander ed. 10, p. 735, ed. 11, p. 839.

BIOFILE: Anon., Bot. Zeit. 1: 520. 1843 (decoration); Flora 7(2): 575. 1824 (in Bavarian mts), 10(1): 176. 1827 (app. München), 14(1): 206. 1831, 18(1): 176, 18(2): 659. 1835, 30(2): 542. 1847 (decoration), 31(1): 152. 1848 (d.).
Candolle, A.P. de, Mém. souvenirs 374. 1977.
G.P., Bot. Zeit. 6: 246-248. 1848 (obit.).
Hausmann, F. v., Fl. Tirol 1188. 1854.
Heine, H., Plantsman 6(1): 60-61. 1984.
Ilg, G., Hoppea 42: 39, 55, 64, 80, 91. 1984.
Mägdefrau, K., Gesch. Bot. 126. 1973.
Martius, C.F.P. von, Denkrede auf Joseph Gerhard Zuccarini. München 1848, 32 p. (biogr.); Denkreden 241-270. 1866; Münchener gelehrte Anz. 31: 74.2. 1850; Flora 31: 625-638. 1848, 34(1): 9, 11, 13. 1851 (herb.), Erinnerung; Mitgl. Bayer. Akad. Wiss. 54-56. 1859.
Wallich, N., *in* W.J. Hooker, J. Bot. Kew Gard. Misc. 1: 180-185. 1849 (obit.).

COMPOSITE WORKS: (1) Collaborator, C.F.P. von Martius, *Nov. gen. sp. pl.* vol. 1, 1823-1826, see TL-2/5519.
(2) With P.F. von Siebold, *Fl. Jap.*, see TL-2/11.949.
(3) Co-author, with P.F. von Siebold, *Plantarum genera nova* 1843, see TL-2/11.952.
(4) Co-author, with P.F. von Siebold, *Familiae japonicae familiae naturales*, 1845-1846, TL-2/11.956.

HANDWRITING: Candollea 34: 217-218. 1979.

EPONYMY: *Zuccarinia* Blume (1827, *nom. cons.*). *Note*: *Zuccarinia* Märklin (1811, *nom. rej.*) honors Franz Carl Zuccarini (1737-1809), German gardener. It could not be determined for whom *Zuccarinia* K.P.J. Sprengel (1827) was named.

**18.761.** *Monographie der amerikanischen Oxalis-Arten* ... [München] (Gedruckt mit des Commerzienraths I.E. v. Seidel Schriften) 1825. Qu. (*Monogr. amer. Oxalis*).
*Publ.*: Jan 1825 (see TL-1; Linnaea Jan 1826, rev.), p. [1]-60, *pl. 1-6* (uncol. liths.). *Copies*: G, HH, M, NY, US. – Preprinted or reprinted from Denkschr. Akad. Wiss. München 1823-1824: 125-184. 1825.

*Nachtrag*: 1831, p. [1]-100, *pl. 1-3* (uncol. liths.). *Copies*: G, HH, M, NY. – Preprinted or reprinted from id. 1829-1830: 177-276, *pl. 7-9*. 1831.
*Ref.*: Martius, C.F.P. von, Flora 20(2) Beibl. 45-46. 1837 (used Martius' material); Münch. gelehrte Anz. 31: 727-734. 1850.

**18.762.** *Charakteristik der deutschen Holzgewächse* im Blattlosen Zustande ... München (in der literarisch-artistischen nnstalt) 1829-1831, 2 Hefte. Qu. (*Char. deut. Holzgew.*).
*Artist*: Sebastian Minsinger.
*1*: 1829 (p. iv: Jan 1829), cover, p. [i-iv], 1-16, *pl. 1-9* (col. liths.).
*2*: 1831 (Flora Mai-Jun 1831), cover, p. 17-32, *pl. 10-18* (id.).
*Copies*: FI, G, MO.

**18.762a.** *Flora der Gegend um München* ... Erster Theil. Phanerogamen. München (Jos. Lindauer'sche Buchhandlung ...) 1829. †. Duod. (*Fl. München*).
*Publ.*: 1829 (Flora rd. after Jul 1829), p. [i-iii], [1]-418. *Copies*: G, M, NY.

**18.763.** *Plantarum novarum* vel minus cognitarum quae in horto botanico herbarioque regio monacensi servantur, fasciculus primus [-quintus] descripsit ... [Abh. math. phys. Cl. K. Baier. Akad. Wiss. 1832-1846. Qu.
*1*: 1832 (fide preface to fasc. 2), p. [287]-396, *pl. 12-17*. – Reprinted and to be cited from Abh. math.-phys. Cl. K. Akad. Wiss. 1: 287-396. 1829-1830, publ. 1832. (Also publ. in Allg. Bot. Zeit. 2, Beibl. 5, p. [1]-48. *Copy*: M).
*2*: 1836 or 1837, p. [1]-72, *pl. 1-6, 7A, 7B, 8-9* (uncol.). – Reprinted or preprinted from id. 2: 309-380. 1831-1836 [publ. 1837?].
*3*: 1838 (Flora rd. 5 Feb-2 Jul 1838), p. [i]-iv, [1]-142, *pl. 1-5*. – Id. 2: 597-742, *pl. 1-5*. 1831-1836, publ. 1838. – Fasciculus tertius. *Cacteae*.
*4*: 1843(?), p. [219]-254, *pl. 1, 1[bis], 2-5, 2-9*. – Id. 3: 219-254. 1837-1843 (publ. 1843?).
*5*: 1846 (?), p. [1]-35, *pl. 1-6*. – Id. 4(2): 1-35, *pl. 1-6*. 1844-1846 (publ. 1846?).
*Copies*: BR, HH, M, NY, PH; IDC 416. – Some of the copies have fascicles with orig. pagination (tear-sheets?).
*Note*: For a review of the Cacteae in this work see J.E. Wikström, Års-berätt. bot. Arbet. 1837: 398-415. 1839.

**18.764.** *Ueber die Vegetationsgruppen in Bayern.* Eine Rede, gehalten in der öffentlichen Sitzung der königl. bayer. Akademie der Wissenschaften am 24. August 1833 ... München (Gedruckt bey Mattäus Pössenbacher) 1833. Qu. (*Veg.-Gruppen Bayern*).
*Publ.*: 1833 (read 24 Aug 1833; Flora rev. 28 Dec 1833), p. [1]-26. *Copies*: G, M, NY.

**18.765.** *Über einige Pflanzen aus den Gattungen Agave und Fourcroya*, ... [Nova Acta Leop. 1833]. Qu.
*Publ.*: 1833 (read 29 Jan 1833), p. [659]-679, *pl. 48-49, 50-51*, on one sheet. *Copies*: B, HH, M, MO, NY. – Reprinted and to be cited from Nova Acta Leop. 16: [659]-678. *pl. 48-51*. 1833.

**18.766.** *Leichtfasslicher Unterricht in der Pflanzenkunde* für den Bürger und Landmann und zum Gebrauche in Gewerbschulen ... München (Im königlichen Central-Schulbücher-Verlage) 1834. Oct. (*Leichtfassl. Unterr. Pflanzenk.*).
*Publ.*: 1834 (Flora rd. 11 Feb-24 Jun 1835), p. [i]-iv, [1]-506. *Copies*: M, NY.
*Ed. 2*: see below, *Naturgesch. Pflanzenr.* 1843.

**18.767.** *Naturgeschichte des Pflanzenreichs* ... Kempten (Druck und Verlag von Tobias Dannheimer) 1843. Oct. (*Naturgesch. Pflanzenr.*).
*Publ.*: Dec 1842 (rev. by Schlechtendal, Bot. Zeit. 6 Jan 1843), p. [ii-vi], [1]-322. *Copies*: G, HH, M. – Issued as Band II of Johann Andreas Wagner, ed., *Handbuch der Naturgeschichte*. Second ed. of *Leichtfassl. Unterr. Pflanzenk.* 1834, see above.

**18.768.** *Beiträge zur Morphologie der Coniferen* ... [Abh. math.-phys. Cl. Bayer. akad. Wiss. 1843]. Qu.
*Publ.*: 1843, p. [751]-805, [1, err.]. *pl. 1-5* (uncol. liths.). *Copies*: G, HH, M. – Reprinted and to be cited from Abh. math.-phys. Cl. Bayer. Akad. Wiss. 3: [751]-805, *pl. 1-5*.

*English transl.*: 1846, p. [1]-54, [441]-444 [expl. pl.), *pl. 1-5*. *Copy*: HH. – On the morphology of the Coniferae ... translated by George Bush, in A. Henfrey, ed., Reports and papers on botany 1-54, 441-444, *pl. 1-5*. 1846.

**Zuchold, Ernst Amandus** (x-1867), German (Saxonian) bibliographer, bookseller and antiquarian at Leipzig. (*Zuchold*).

HERBARIUM and TYPES: Unknown. – *Letters* to D.F.L. von Schlechtendal in HAL.

BIBLIOGRAPHY and BIOGRAPHY: BM 5: 2401; CSP 6: 520, 8: 1309; Herder p. 76, 423; Jackson p. 3; NI p. 256; Rehder 5: 942; Tucker 1: 760.

BIOFILE: Anon., Brit. Mus. gen. cat. print. books 263: 930-931. 1966 (q.v. for further, non-botanical, publ.).
Helm, J., Kulturpflanze 14: 354. 1966 (d. 9 Sep 1867).

COMPOSITE WORKS: Editor, *Bibliotheca historico-naturalis* et physico-chemica, 1-17(1), 1851-1867.

**18.769.** *Additamenta ad Georgii Augusti Pritzelii thesaurum* literaturae botanicae ... Halis [Halle] (typis expressum Ploetzianus) 1853. Oct.
*Publ.*: 1853 (Flora rd. 21 Jul-7 Aug 1853), p. [1]-59, [60]. *Copies*: G, HH, M, MO; IDC 6491. – Reprinted and to be cited from Jahresber. naturw. Ver. Halle 5: 505-582. 1853, continued in Abh. naturf. Ges. Halle 2(Beilage): 67-74. 1855, and Z. ges. Naturwiss. 27: 122-134. 1866. – See also under G.A. Pritzel, *Thes. lit. bot.*, TL-2/8353.
*Ref.*: Schlechtendal, D.F.L. von, Bot. Zeit. 12: 150. 31 Mar 1854 (rev.).

**Zukal, Hugo** (1845-1900), Austrian high school teacher and botanist; soldier in the Austrian army 1864-1872; studied at the Trautenau teachers college; teacher at Freudenthal and Vienna, ultimately at a women's teachers college; e.o. profesor of phytopathology for forestry at the Vienna agricultural and forestry college (Hochschule für Bodenkultur) 1898-1900. (*Zukal*).

HERBARIUM and TYPES: GZU. – Contributed Fungi to *Flora exsicc. Austro-Hung.* – Material in E, WRSL. – *Letters* to Keck at UPS-UB; further letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 544 (b. 18 Aug 1845, d. 14 Feb 1900); Biol.-Dokum. 19: 10363; Bossert p. 451; CSP 12: 806, 19: 807; De Toni 1: cxxxvii, 4: lxi; DTS 1: 337, xxiv, 3: liv; GR p. 444-445, *pl.* [*23*], cat. p. 74; Herder p. 260, 435; KR 784; LS 29696-29736; Moebius p. 73; Morren ed. 10, p. 31; Nordstedt p. 34; Rehder 1: 207; SBC p. 135; Stevenson p. 1263.

BIOFILE: Anon., Botanik und Zoologie in Österreich 1850-1900, portr., facing p. 186. 1901; Bot. Centralbl. 75: 419-420. 1898 (app. Vienna agr. coll.), 81: 352. 1900 (d. 15 Feb 1900), 82: 84. 1900 (id.); Bot. Jahrb. 29 (Beibl. 65): 30. 1900 (d. 14 Feb 1900); Bot. Not. 1901: 114 (d. 14 Feb 1900); Bot. Zeit. 58: 96. 1900 (d. 15 Feb 1900); Herbarium 56: 59. 1921 (Myxomycetes herbarium for sale); Nat. Nov. 20: 474. 1898 (app. Vienna), 22: 199. 1900 (d. 15 Feb 1900); Österr. bot. Z. 48: 367. 1898 (app. Vienna), 50: 108. 1900 (d.).
De Toni, G.B., Nuova Notarisia 11: 54-55. 1900 (obit.).
Rikli, M., *in* Biogr. Jahrb. deut. Nekrol. 6: 467-468. 1904.
Wilhelm, K., Ber. deut. bot. Ges. 18: (171)-(178). 1900 (obit., portr., bibl., d. 15 Feb 1900).
Wittrock, V.B., Acta Horti Berg. 3(3): 72. 1905.

**18.770.** *Flechtenstudien* ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1884. Qu. (*Flechtenstudien*).
*Publ.*: Jun 1884 (mss. submitted 3 Jan 1884; Bot. Zeit. preprint 30 Jun-4 Jul 1884; Hedwigia Jul 1884; Nat. Nov. Sep(1) 1884), p. [i], [1]-44, *pl. 1-7* (p.p. col. liths. J.

Heitzmann). *Copies*: G, NY. – Preprinted from Denkschr. math.-naturw. Cl. Akad. Wiss. Wien 48: [249]-292, *pl. 1-7*. 1884.

*Epilog zu meinen Flechtenstudien*: Aug 1885 (Bot. Centralbl. 31 Aug-5 Sep 1885), p. [1]-6. *Copy*: G. – Reprinted and to be cited from Bot. Centralbl. 23: 292-296. 1885 (reply to K.B.J. Forsell, *Beitr. Kenntn. Anat. Syst. Gloeolich.* 1885, TL-2/1818. – See also Zukal, Bot. Centralbl. 25: 355-356. 1886.

**18.771.** *Ueber einige neue Pilze*, Myxomyceten und Bakterien ... Wien (... A. Hölder, ...) 1885. Oct.

*Publ.*: late Aug 1885 (read 1 Apr 1885; Nat. Nov. Sep(2) 1885; journal 34(1) publ. late Aug 1885, fide t.p.), p. [1]-15, *pl. 15*. *Copies*: B, FH. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 35(1)(Abh.): 333-342. 1885.

**18.772.** *Mycologische Untersuchungen* ... Wien (aus der kaiserlich-königlichen Hof- und Staatsdruckerei ...) 1885. Qu. (*Mycol. Unters.*).

*Publ.*: Dec 1885 (read 5 Jun 1885; Bot. Centralbl. 25-29 Jan 1886; Hedwigia Jan-Feb 1886; Flora rd. 11 Jan-11 Mar 1886; Nat. Nov. Feb(1) 1886), p. [i], [1]-16, *pl. 1-3*. *Copies*: FH, NY. – Preprinted from Denkschr. math.-naturw. Cl. Akad. Wiss. Wien 51(2): 21-30, *pl. 1-3*. 1886.

**18.773.** *Entwicklungsgeschichtliche Untersuchungen aus dem Gebiete der Ascomyceten* ... Aus den Sitzungsberichten d. kais. Akademie d. Wissenschaften in Wien ... 1889. Oct. (*Entw.-Gesch. Unters. Ascomyc.*).

*Publ.*: prob. Jun-Sep 1889 (S.B. for session 9 Mai 1889; ÖbZ 1 Dec 1889; Flora 20 Dec 1889; Nat. Nov. Nov(1) 1889), p. [1]-84, *pl. 1-4*. *Copy*: NY. – Preprinted from S.B. Akad. Wiss. Wien, math.-naturw. Cl. 98(1): 520-603. 1890.

**18.774.** *Ueber die Entstehung einiger Nostoc- und Gloeocapsa-Formen* ... Separatabdruck aus der "Oesterreich. botan. Zeitschrift" ... 1889. Oct.

*Publ.*: Oct-Dec 1889 (in journal; Nat. Nov. Mai(2) 1890), p. [1]-14, *pl. 2*. *Copy*: FH. – Reprinted and to be cited from Österr. bot. Z. 39: 349-354. Oct, 390-395. Nov, 432-435. Dec 1889.

**18.775.** *Beiträge zur Kenntniss der Cyanophyceen* ... Separat-Abdruck aus der "Oesterr. botan. Zeitschrift" ... 1894. Oct.

*Publ.*: Jul-Oct 1894 (in journal), p. [1]-16. *Copy*: B. – Reprinted and to be cited from Österr. bot. Z. 44: 266-267. Jul, 281-286. Aug, 338-343. Sep, 387-391. Oct 1894.

**18.776.** *Morphologische und biologische Untersuchungen über die Flechten* ... Aus den Sitzungsberichten der kaiserl. Akademie der Wissenschaften in Wien 1895-1896. Oct. (*Morph. biol. Unters. Flecht.*).

*1*: Jun-Aug 1895 (read 14 Jan 1895; Bot. Centralbl. 27 Nov 1895; Bot. Zeit. 16 Dec 1895; Nat. Nov. Nov(2) 1895), cover, p. [1]-46, *pl. 1-3*. Preprinted or reprinted and to be cited from S.B. Akad. Wiss. Berl. math.-nat. Cl. 104(1): 529-574. *pl. 1-3*.

*2*: Dec 1895 (read 10 Oct 1895; Bot. Centralbl. 4 Mar 1896; Bot. Zeit. 1 Mai 1896; Nat. Nov. Mar(1) 1896), cover, p. [1]-93. – Id. 104(1): 1303-1395. 1895.

*3*: Mar[-Mai] 1896 (read 12 Mar 1896; Bot. Centralbl. 8 Jul 1896; Bot. Zeit. 16 Aug 1896; Nat. Nov. Jul(2) 1896), cover, p. [1]-68. – Id. 105(1): 197-264. 1896.

*Copies*: FH, MICH, Stevenson.

**Zumaglini, Antonio Mauritio** (1804-1865), Italian physician and botanist at Biella. (*Zumagl.*).

HERBARIUM and TYPES: Unknown. – *Letters* at G.

BIBLIOGRAPHY and BIOGRAPHY: Backer p. 664; Barnhart 3: 544 (b. Sep 1804, d. 14 Nov 1866 [i.e. 1865]); BL 2: 373, 374; BM 5: 2402; Jackson p. 320; LS 29738; PR 10524; Rehder 1: 427, 3: 575; Saccardo 1: 177, 2: 117, cron. p. xxxvii; Tucker 1: 760.

BIOFILE: Bot. Zeit. 4: 291-292. 1866 (d. 14 Nov 1865, in issue for 14 Sep 1866) ; Flora 50: 285. 1867 (d. 14 November v. J. [i.e. last year, 1866; erroneous]).
Cavillier, F., Boissiera, 5: 94. 1941.

**18.777.** *Flora pedemontana* sive species plantarum phanerogamarum in Pedemonte et Liguria sponte nascentium secundum classes, ordines, genera et species cum synonimis selectis et brevibus descriptionibus. Insuper stirpium aetates, florendi tempora, et stationes notantur, icones selectiores indicantur, vires medicatae et eoconomicae adduncuntur, et distributio generum juxta methodum naturalem additis familiarum characteribus ... Augustae Taurinorum [Torino] (impresserunt Joseph Favate et Socii [2: Bugellae (Impresserunt Flecchia et Chiorino)]) 1849-1864, 2 vols. 18-mo (vol. 2: Oct). (*Fl. pedem.*).
*1*: 1849-1859 (p. 14: 14 Nov 1848, p. 435 printing finished Sep 1859 [sic]), p. [1]-485.
*2*: 1864 (p. 444: printing finished Oct 1860, t.p. 1864), p. [i-iii], [1]-444, [i]-iv, Curae posteriores.
*Copies*: BR, G, HH, MO, NY, US, USDA.

**Zundel, George [Lorenzo Ingram]** (1885-1950), American botanist (mycologist and plant pathologist); B.S. Utah Coll. 1911; M.S. Cornell 1915; Dr. phil. Yale 1919; instructor in horticulture and botany, Utah Coll. 1911-1912; high school teacher Utah 1912-1913; assistant professor of biology Brigham Young College 1915-1917; assistant pathologist U.S.D.A. 1917-1919; plant pathologist State Coll. Washington 1919-1926; at Connecticut Experiment Station 1926-1928; assistant professor plant pathology Pennsylvania State College 1928-1947, id. assoc. prof. 1947-1949. (*Zundel*).

HERBARIUM and TYPES: BPI. – Some further material at IMI, K, W.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 544 (b. 23 Dec 1885, d. 10 Mar 1950); BFM 3099; Bossert p. 451; Ewan ed. 2: 246; Hawksworth p. 187; IH 1 (ed. 1): 21, (ed. 2): 24, (ed. 6): 366, (ed. 7): 346; LS suppl. 30963-30969; MW p. 550; MW suppl. 414; NW p. 62; Stevenson 1263; Tucker 1: 346; Zander ed. 11, p. 335.

BIOFILE: Anon., Amer. men sci. eds. 4-8. 1927-1949; Index Amer. bot. lit. 1886-1966. 4: 613. 1969 (bibl.).
Doidge, E., Bothalia 5: 1029. 1950.
Hirschhorn, E., Rev. Argent. Agronomia 18(4): 238-239. 1951 (obit.).
Stevenson, J.A., Mycologia 43: 1-4. 1951 (obit., list publ.); Taxon 4: 183. 1955.

COMPOSITE WORKS: *Ustilaginales*, Addit. & Corr., *in* North American Flora 7(14): 97-1030. 23 Oct 1939. (TL-2/781).

NOTE: Outside our period: *The Ustilaginales of the World*, Contr. Dept. Bot. Penn. State Coll., Pennsylvania 1953, no. 176, p. [ii]-xi, 1-410. *Copy*: PH.

EPONYMY: *Zundelula* Thirumalachar et Narasimhan (1952).

**18.778.** *Monographic studies on the Ustilaginales* attacking Andropogon ... Reprinted from Mycologia ... 1930. Oct.
*Publ.*: 1 Mai 1930, cover-t.p., p. 125-158. *Copies*: BR, NY. – Reprinted and to be cited from Mycologia 22(3): 125-158. 1930.

**18.779.** *Miscellaneous notes on the Ustilaginales* ... Reprinted from Mycologia ... 1937. Oct.
*Publ.*: 1 Oct 1937, p. 583-591. *Copy*: BR. – Reprinted and to be cited from Mycologia 29(5): 583-591. 1937.

**18.780.** *The Ustilaginales of South Africa* ... [Bothalia 1938]. Oct.
*Publ.*: 1938, p. 283-330. *Copy*: NY. – Reprinted and to be cited from Bothalia 3(3): 283-330. 1938.

**Zwackh-Holzhausen, [Philipp Franz] Wilhelm** Ritter **von** (1825-1903), German (Baden) botanist (lichenologist), soldier and nobleman of private means. (*Zwackh.*).

HERBARIUM and TYPES: S. – Further material at B (partly extant), BR, BRNU, GJO (rd. as "Herbarium" 1903), H, KIEL, LZ (destr.), M, STU. – Gyelnik (1938) states that the [main] collection was acquired by E.P. Vrang, Fallköpin, Sverige, in 1936. This collection is at present at S.
*Lichenes exsiccati*, nos. 1-1177 (1211 nos.), Heidelberg 1850-1894. Sets at DUKE, FH, H, K, L, M, MSC, MSTR, S, TUR, UPS, VER, W, WRSL. For further details see Sayre (1969). – *Letters* to Brotherus (90) at H; other letters at G.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 544; Biol.-Dokum. 19: 10376; BM 5: 2403; Bossert p. 451; CSP 6: 520, 8: 1309; DTS 1: 337; GR p. 56-57 (b. 28 Feb 1825, d. 2 Jan 1903),*pl.* [*18*], cat. p. 74; Hawksworth p. 187; LS 29740-29746; SBC p. 135; Urban-Berl. p. 292.

BIOFILE: Gyelnik, V.K., Ann. hist. nat. Mus. natl. Hung., Bot. 31: 57. 1938 (herb.).
Hertel, H., Mitt. Bot. München 16: 457. 1980.
Lynge, B., Nyt Mag. Naturvid. Oslo 51: 117. 1913 (on exsicc.).
Sayre, G., Mem. New York Bot. Gard. 19(1): 174. 1969 (exsicc.).
Wittrock, V.B., Acta Horti Berg. 3(3): 157. 1905.

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**18.781.** *Enumeratio lichenum florae heidelbergensis.* Ein Beitrag zur Flora der Pfalz ... [Flora 1862].
*Publ.*: 16 Oct-24 Dec 1862 (in journal), p. [1]-64 [-66? last pages not seen], [1]-8. *Copy*: H. – Reprinted and to be cited from Flora 45: 465-474. 16 Oct, 481-495. 30 Oct, 504-512. 10 Nov, 518-527. 20 Nov, 530-537. 30 Nov, 546-552. 13 Dec, 561-572. 24 Dec 1862.
*Errata* 17 Feb 1864, p. [1]-8 in above reprint; id. Flora 47: 81-88. 17 Feb 1864.

**18.782.** *Die Lichenen Heidelbergs* nach dem Systeme und den Bestimmungen Dr. William Nylanders ... Heidelberg (Verlag von G. Weiss) 1883. Oct. (*Lich. Heidelb.*).
*Publ.*: Jun 1883 (p. iv: Jun 1883; Bot. Centralbl. 9-13 Jul 1883; Bot. Zeit. 27 Jul 1883; Nat. Nov. Jul(1) 1883), p. [i]-iv, [1]-82, [83-84]. *Copies*: B, G, H.

**Zwanziger, Gustaf** [Gustav] **Adolf** (1839-1893), Austrian library assistant, botanist at Salzburg until 1863; assistant librarian at Klagenfurt 1863-1867; assistant in the Klagenfurt natural history museum 1867-1893; editor of the Kärntner Gartenzeitung 1873-1886. (*Zwanziger*).

HERBARIUM and TYPES: Some material in B (herb. Ullepitsch, extant), IBF, M, NA, WRSL. – *Letters* to Kerner at UPS-UB, to D.F.L. von Schlechtendal at HAL; further letters at G.
*Exsiccatae*: *Die Moose der Österreichischen Alpenländer*, nos. 1-20. Klagenfurt 1863. Sets at FH, H. – Flora 46: 272. 1863 (announcement), Bot. Zeit. 22: 255. 1864 (2 decades issued).

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 544 (b. 29 Jul 1839, d. 12 Jun 1893); CSP 6: 520, 11: 898; 12: 807, 19: 813; DTS 1: 337; GR p. 464; Jackson p. 267; LS 29743-29746; Morren ed. 10, p. 34; Quenstedt p. 475-476; Rehder 5: xxiii; TL-2/7178; Tucker 1: 760; Urban-Berl. p. 318.

BIOFILE: Anon., Bibl. bot. Friuli, Udine 1973, p. 256-257 (list publ.); Nat. Nov. 15: 283. 1893 (d. 10 Jun 1893); Österr. bot. Z. 13: 375. 1863 ("Amanuensis" at the "k.k. Studienbibliothek" Klagenfurt).
H.S., Carinthia 2(6): 185-192. 1893 (obit.).
Sayre, G., Mem. New York Bot. Gard. 19(2): 275-276. 1971.
Schönach, H., Jahresber. Real-Ober-Gymn. Feldkirch 27: no. 485. 1882.

COMPOSITE WORKS: *Verzeichniss* of vernacular names *in* David Pacher, *Fl. Kärnten* 3, 1885-1888, see TL-2/7178.

**18.783.** *Aufzählung der auf einem Ausflug nach Heiligenblut* in August 1861 *gesammelten Laubmoose*, mit einer kurzen Schilderung der dortigen Vegetationsverhältnisse ... [Wien 1862]. Oct.
*Publ.*: 1862 (read 5 Feb 1862), p. [193]-200. *Copies*: G, NY. – Reprinted and to be cited from Verh. zool.-bot. Ver. Wien 12(Abh.): 193-200. 1862.

**18.784.** *Botanische Reise in Juli 1862* von Salzburg nach dem Radstädter Tauern bis Mantendorf im Lungau, dann dem Grossarler Thale im Pongau. Ein Beitrag zur Kenntniss der Verbreitung der Pflanzen im Lande Salzburg mit besonderer Berücksichtigung der Gefässcryptogamen, Laubmoose und Flechten ... [Wien 1863]. Oct.
*Publ.*: 1863 (read 6 Mai 1863), p. [1]-38. *Copy*: H. – Reprinted and to be cited from Verh. zool.-bot. Ges. Wien 13 (Abh.): 965-1002. 1863.

**18.785.** *Die Moosflora des Kreuzberges* bei Klagenfurt pflanzengeographisch dargestellt ... [Klagenfurt 1868]. Oct.
*Publ.*: 1868, p. [1]-15. *Copies*: B, H. – Reprinted and to be cited from Jahrb. Landesmus. Kärnten 8: 43-55. 1868.

**Zycha, Herbert** (1903-x), German botanist (mycologist, phytopathologist); Habil. Hannoversch-Münden 1937; connected with the Biologische Reichsanstalt für Land- und Forstwirtschaft, Berlin-Dahlem, later (after 1945) with the Biologische Bundesanstalt für Land- und Forstwirtschaft, Hannoversch-Münden, Hessen, in charge of the Institut für Forstpflanzenkrankheiten and, until 1969, extraordinary professor of phytopathology at the University of Göttingen. (*Zycha*).

HERBARIUM and TYPES: Unknown. – Correspondence with A.F. Blakeslee and Sophia Satina at FH.

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 3: 545; Biol.-Dokum. 19: 10382.

BIOFILE: Butin, H., Die Holzzucht Juni 1974, p. 21 (portr., 70th birthday; b. 23 Dec 1903); Der Forst- und Holzwirt 1974(1): 18; Allg. Forstzeit. 1974(3): 59.
Verdoorn, F., ed., Chron. bot. 1: 145, 355. 1935, 2: 153, 163.1936, 3: 132. 1937, 6: 141. 1941.

# Index to Titles

Each book or paper treated in the foregoing text has been assigned a number printed in bold face; these are given in this index at the end of each entry. Because both short titles (the first significant words of the full title) and abbreviations of short titles are given, this index includes both. The initial definite and indefinite articles are omitted from titles. The unabbreviated short titles are alphabetized word by word, but the abbreviated ones are treated as if they are single words with the omission of punctuation and spaces. If a title is mentioned under two numbers, both are given in this index. Since the same title, at least in its short form, may have been used by two or more authors, each entry includes the name of the author in the form recommended at the end of the first paragraph of the section treating him. Titles of exsiccatae are included, printed in italics, and titles of journals taken from the surname of botanists are printed in capital letters. Both kinds of entry include, in parentheses, the surname of the person concerned preceded by the initial of his first name with the word *see* in italics.

In addition there are three, less frequently encountered kinds of references which should be identified and explained: (1) When a second title of the same author is mentioned in the treatment of a book or paper, the index entry for the former refers to the number of the latter. (2) It sometimes happens that in the treatment of one book or paper by author A, the title of a book or paper by author B is mentioned; this situation is indicated in the index by parenthetically instructing the user to *see* the number assigned to A's title. (3) Similarly a book or paper by author B may be mentioned under author A in paragraphs other than those describing his titles; this is indicated by the index-notation "*see* author A".


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# Index to Names

This index contains the names of authors, collectors, botanical explorers, patrons of botanists, botanical artists, and other collaborators, as well as personal surnames that have been immortalized in names of genera. Also included are abbreviations listed for author names. The names of ships that carried exploring expeditions to remote parts of the world are included in this index too, because the user may only remember that much of the subsequent reports of the trip.

There are however, a number of explanations and cautions: (1) The abbreviations of author names are included in the index when they are really abbreviations, i.e. some letters have been dropped. Such abbreviations are alphabetized as if they were complete words, including one or more initials, with the omission of punctuation and spaces. In this index the initials follow the abbreviation even though the suggested abbreviation in the text is preceded by the initials. (2) Diacritical marks have been deleted in this index except for the German Umlaut, whereas the ø is alphabetized as oe. (3) Names beginning with "M", "Mc", or "Mac" are treated as if spelled "Mac" in combination with the rest of the name as one word (Macdonald). (4) Similarly, double names whether hyphenated or not, names beginning with "Da", "De", "Des", "Do", "Du", "La", "Le" etc. are alphabetized as if they were one word under the first letter of the word ("Candolle" for "de Candolle" is one of several exceptions where established usage is not conform this convention). The same holds for Flemish and American names that begin with "Van". If there is chance of confusion in locating such names, the index lists also the last part of the names under the appropriate letter (the user can find "de Candolle" in both the "d" and "c" part of the index). Hyphenated double names are not, however, cross-referenced under the last part. (5) For purposes of the index, "a", "af", "van" (in Dutch names), "von", "y", "zu" etc. are ignored. (6) Names of authors of publications cited in the biography/bibliography sections are omitted from the index. (7) "Aiton, W. *72*" (italic number) refers to that part of the text just preceding the treatment of booknumber 72, as well as to the book itself. "Aiton, W. 83" (roman number) means there is a reference to W. Aiton in the information concerning book 83, which is by an author other than W. Aiton. "Aiton, W. *see* Banks, J." indicates mention of W. Aiton in the author-paragraphs under J. Banks. (8) An author's name with the notation "*alph.*" indicates a person, who is included in the text for one or more reasons, but who did not publish items treated in this guide (Abich, H. *alph.)*. (9) The notation "*v.*" is used to connect the abbreviation of a personal name with the name in full to explain the meaning of the suggested abbreviation. Is is also used as a means of cross-referencing double names, maiden names of female botanists who have published under both names, and names of authors, who have used more than one name for their publications. Finally, when a name frequently is used with initial(s) differing from the correct one(s), "*v.*" is used to connect the various versions of the name. (10) References to Linnaeus occur so frequently that they are omitted from this index.

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| 4 | [i*], [i]-clxxx, [i], [1]-80, [38, ind.], [1, corr.] | *139-182* | Dec 1820 |

The above analysis is based on a copy with hand coloured plates in the Stevenson library. Copies vary in binding. Other *copies*: B, BR, NY. – Data based on documentation BH.
*Vol. 1*, engraved t.p., as above
*Vol. 2*, printed t.p. "... mit 48 ..."
*Vol. 3*, printed t.p. "... mit 46 ..."
*Vol. 4*, has three t.p.'s:
*a*: *printed*. "Jacob ... Willdenow. IV Theil, Anhänge und Nachträge. Mit 44 illuminierten Kupfern. Fortgesetzt und mit einer Einleitung und einer erklärenden Übersicht sämmtlicher Tafeln versehen von Dr. Ch. G. Nees von Esenbeck und Dr. Th. Fr. Ludw. Nees von Esenbeck. Berlin Bey G. Reimer 1820."
*b*: *printed*, new t.p. for entire work, issued 1820, bound in various places: "Beschreibung der um Halifax wachsende Pilze, enthaltend 241 Pilzarten in 900 Figuren auf 182 Kupfertafeln, alle von dem Verfasser ... gegründet von James Bolton ... Aus dem Englischen mit Anmerkungen von Carl Ludwig Willdenow. Fortgesetzt ... von ... Esenbeck. Berlin ... 1820."
*c*: *engraved*, "Historia fungorum circa Halifax sponte nascentium tomi iv, A. Agaricus ... L. Mucor."
*Ref.*: BM 1: 192; LS 3294; NI 196; PR 962.
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birth/death dates — Proposed form of citation

**Bolus, Harry** (1834-1911), British born South African banker and botanist. (*H. Bolus*).

HERBARIUM and TYPES: BOL. Other coll. e.g. BUL, GRA, NH, NU, PRE, SAM, STE and outside S. Africa. Exsiccatae: *Herbarium austro-africanum*, with Mac Owan, q v.
*Ref.*: IH 2: 84.—Reference in Index Herbariorum, a standard source
Tölken, Index herb. austro-afr. 58. 1971.

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Pearson, S. Afr. J. Science 8: 59-79. 1911 (portr., bibl., itineraries)
Anon., Bull. misc. Inf. Kew 1911: 275-277, 319-322.
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generic names based on surname 'Bolus'

EPONYMY: *Bolusafra* O. Kuntze (1891); *Bolusanthus* Harms (1906); *Bolusia* Bentham (1873); *Bolusiella* Schlechter (1918); *Neobolusia* Schlechter (1895).
*Note*: *Bolusanthemum* Schwantes (1928) is dedicated to his daughter-in-law Harriet Margaret Louisa Bolus née Kensit (q.v.)

Book number — Short-title

**625.** *Icones orchidearum austro-africanarum extra-tropicarum*; or, figures with descriptions, of

extra-tropical South African Orchids. London (William Wesley) 1893-1913, 3 vols. Oct. (*Icon. orchid. austro-afric.*) → Abbreviation of short-title for use in taxonomic publications

→ pagination of parts and their dates of publication

| vol. | part | *plates* | dates | pages |
|---|---|---|---|---|
| 1 | 1 | *1-50* | 15 Aug 1893 | [i]-vi, [1, note], l.p., [2 p. ind.] |
| | 2 | *51-100* | 20 Aug 1896 | [i-iii], l.p., [3 p. ind.], app. [2]p., preface and t.p. to vol. 1 [viii]p. |
| 2 | 1 | *1-100* | Apr-Jun 1911 | [i-vi], l.p. [3 p. ind.]; page iv: Apr 1911, Nat. Nov. Nov 1911, BR inscr. 15 Jun 1911. |
| 3 | 1 | *1-100* | 1913 | [i-v], l.p.; page v: 12 Feb 1913, Nat. Nov. Dec 1913. |

→ Special notes about this book

Libraries where copies seen by authors

The plates are accompanied by one or two pages letterpress. *Copies*: BR, HH. – 36 plates of vol. 3 were first published by H. Bolus in his "Orchids of the Cape Peninsula," Trans. South Afr. Philosoph. Soc. 5(1): 75-200. 1888. The 300 (partly) coloured plates are by H. Bolus and F. Bolus. F. Bolus edited the third volume; preface by H. M. L. Bolus. – Portrait as frontispiece to vol. 2.

*Ref.*: BM 1: 193, 6: 106; Kew 1: 291; NI 197. → References concerning this book
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birth/death dates

**Bolus, Harriet Margaret Louisa** (née **Kensit**) (1877-1970), South African botanist, daughter-in-law of Harry Bolus. (*L. Bolus*). → Proposed citation form as author

HERBARIUM and TYPES: BOL, other material BM, GRA, NBG, PRE, SAM.
Ref.: IH 2: 82. → References to collections
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→ References in standard biographical and bibliographical works

BIBLIOGRAPHY and BIOGRAPHY: Barnhart 1: 214; BL 1: 28, 54; BM 6: 106; Bossert p. 44; Kew 1: 291; Langman p. 391.

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Herre, Kakteen und andere Sukkulenten 12(1): 1-3. 1961 (portr.)
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Levyns and Jessop, J. S. Afr. Bot. 36(4): 319-330. 1970 (bibl.)
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→ Generic and journal names based on names of person

EPONYMY: *Bolusanthemum* Schwantes (1928). – *Note*: For other eponyms based on the name Bolus, cf. supra, sub Harry Bolus.

→ Book number short-title

**626.** *Notes on Mesembryanthemum and allied genera.* Cape Town 1928-1958. Oct. (*Notes Mesembryanthemum*). → Abbreviation of short-title
*Part I*: 1 Jul 1928 (reprinted from articles appearing in S. A. Garden & Country Life August-December, 1927), reprint 1928 (156 pp.)

*Part II*:

→ Data on place of publication, dates of whole or parts, etc.

| pages | dates | pages | dates | pages | dates |
|---|---|---|---|---|---|
| 1-16 | 9 Nov 1928 | 147-160 | 22 Nov 1929 | 309-336 | 29 Jan 1932 |
| 17-32 | 21 Dec 1928 | 161-176 | 20 Feb 1930 | 337-356 | 24 Jun 1932 |
| 33-48 | 24 Jan 1929 | 177-192 | 9 Mai 1930 | 357-376 | 6 Dec 1932 |
| 49-64 | 12 Apr 1929 | 193-208 | 15 Aug 1930 | 377-396 | 19 Mai 1933 |
| 65-80 | 3 Mai 1929 | 209-224 | 12 Nov 1930 | 397-416 | 16 Oct 1933 |
| 81-94 | 6 Jun 1929 | 225-244 | 12 Feb 1931 | 417-436 | 26 Jan 1934 |
| 95-110 | 4 Jul 1929 | 245-268 | 1 Mai 1931 | 437-452 | 23 Mai 1934 |
| 111-129 | 16 Aug 1929 | 269-292 | 3 Jul 1931 | 453-472 | 17 Aug 1934 |
| 131-146 | 4 Nov 1929 | 293-308 | 24 Sep 1931 | 473-508 | 11 Feb 1935 |

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